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Current Economic Analysis F-**29**

Food Fish Market Review

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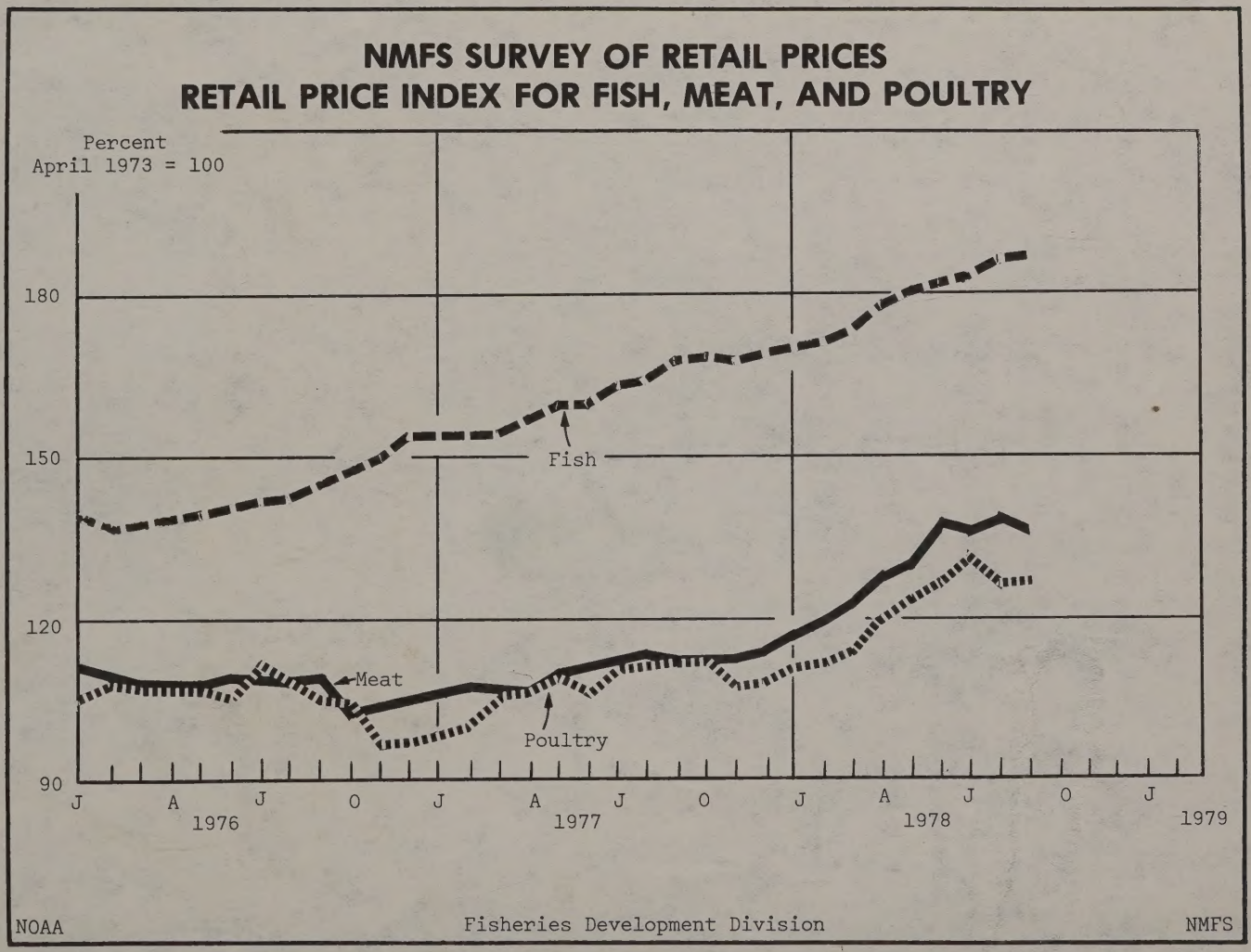
FISH & WILDLIFE SERVICE

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service


NMFS SURVEY OF RETAIL PRICES
RETAIL PRICE INDEX FOR FISH, MEAT, AND POULTRY
Percent
April 1973 = 100
180
150
120
90
Fish
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1976
1977
1978
1979
NOAA
Fisheries Development Division
NMFS

FOOD FISH MARKET REVIEW

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SUMMARY

Consumption of finfish products except for canned tuna was tied directly to available supplies. Consumption of fish sticks and portions, cod and haddock fillets, and canned salmon rose in the first half of 1978 compared to 1977. Lower supplies limited consumption of flounder, ocean perch, and turbot fillets. Although the pack of canned tuna in the first half of 1978 was near record levels, sales of canned tuna were off slightly, apparently because of higher prices.

Retail prices of most finfish products were substantially above a year earlier. Prices during the first 6 months were generally mixed. Prices at the wholesale level also were mixed and reflected supplies available. The market for groundfish landings was extremely volatile, because of the catch quotas established by the Fishery Management Councils to guard against further damage to the stocks of fish.

Sales of fish sticks and portions were at record levels in the first half of 1978, primarily because of growing demand for batter-coated fish sticks and portions. Supplies of blocks, the raw material for sticks and portions, were up slightly from a year earlier, and inventories were substantially higher. Supplies of cod and haddock fillets were higher and led to increased consumption. Lower supplies of flounder, ocean perch, and turbot fillets were the primary reason for the declines in consumption. Improved supplies of canned salmon contributed to an increase in consumption, and also to a doubling of exports in the first half of 1978. Receipts of tuna in the first half of 1978 were 80 percent above last year's reduced receipts, which were caused by a 2-1/2-month layoff from fishing because of the dispute about the 1977 porpoise quota.

The outlook for the second half of 1978 and early 1979 is marked by adequate supplies of cod products, but greater tightening of other groundfish supplies. Prices for groundfish products are expected to increase; however, the gains may be limited if demand slows. Supplies of canned salmon, canned tuna, and fish sticks and portions should be more than adequate to meet the demand. Demand should remain good for most finfish products as long as price increases are minimal. Higher beef prices will allow for some increases in fish prices, while fairly steady prices for pork and poultry will act as a deterrent. In 1979, the higher minimum wages and social security taxes will greatly affect the food service industry; this combined with higher prices of finfish products will be reflected in increased menu prices.

REVIEW AND OUTLOOK

FISH BLOCKS, STICKS AND PORTIONS

STICKS AND PORTIONS

Production of fish sticks and portions in the first half of 1978 was 8 percent above January-June 1977. The increase in production of batter-coated products was primarily responsible for the overall gain. Output of batter-coated products rose 12 million pounds--35 percent above a year earlier (table 1). The growth of batter-coated products was dramatized by its increased share of total production. A year earlier, batter-coated comprised 15 percent of the total; in the first half of 1978 they grew to 19 percent. Production of batter-coated products was 46 million pounds of the total 244 million pounds. The gain was concentrated in portion production. Output of batter-coated portions was 39 percent greater than January-June 1977; batter-coated sticks rose 19 percent. By comparison, production of breaded sticks was 1 percent lower, and breaded and unbreaded portions were 4 percent above a year earlier.

Table 1.--Production of batter-coated fish sticks and portions, January-June 1977-78

Product	1977	1978	Change
	--Thousand pounds--		-Percent-
Sticks	7,274	8,647	+ 19
Portions	27,065	37,627	+ 39
Total	34,339	46,274	+ 35

Total production of fish sticks and portions in the first half of 1978 was 244 million pounds--up 8 percent from January-June 1977 (table 2). With a moderate increase in production, supplies also increased.

With supplies of sticks and portions up moderately, there was a comparable increase in apparent consumption to 241.5 million pounds for the first half of 1978. This total surpassed the record established in the first half of 1977. Again, the primary reason for the increase over a year earlier has been the popularity of batter-coated sticks and portions.

Table 2.--Supply and utilization of fish sticks and portions, January- June 1977-78

Component	1977	1978	Change
	--Million pounds--		-Percent-
Beginning stocks	31.0	30.5	- 2
Production			
Sticks	47.6	48.5	+ 2
Portions	179.1	196.0	+ 9
Total	226.7	244.5	+ 8
Imports	.3	.8	+167
Total supply	258.0	275.8	+ 7
Ending stocks	32.8	34.3	+ 5
Apparent consumption	225.2	241.5	+ 7

Consumption rose despite higher retail prices for sticks and portions. A survey by NMFS indicated that average retail prices of sticks and portions in the second quarter rose about 15 percent from a year earlier to an average $1.75 a pound for fish sticks and $1.77 for portions. By comparison, average wholesale prices increased 5 to 20 percent depending on species. Prices for raw breaded cod portions were 5 percent higher during April-June 1978; prices of cooked cod sticks increased 9 percent. Meanwhile, prices of raw breaded pollock portions rose 20 percent and pollock sticks were 17 percent higher.

FISH BLOCKS

The supply and use of fish blocks in the first half of 1978 were slightly above January-June 1977; this increase reflects the slight improvement in demand for fish sticks and portions (table 3). Heavier inventories of blocks at the beginning of the year accounted for the increase in supplies, as imports of blocks in the first half of 1978 were about the same as January-June 1977 levels. The heavy use

of blocks during the first quarter drew down inventories by 29 million pounds to 43.8 million pounds on March 31, 1978. Reduced use of blocks in the second quarter allowed holdings to build, and inventories were 55 million pounds on June 30, 1978.

Table 3.--Supply and utilization of fish blocks, January-June 1977-78

Component	1977	1978	Change
	- -Million pounds- -		-Percent-
Beginning inventory	61.1	73.2	+ 20
Production	2.8	1.4	- 50
Imports	190.9	191.5	1/
Total supply	254.8	266.2	+ 4
Ending inventory	48.4	54.6	+ 13
Disappearance	206.4	211.6	+ 3

1/ Less than 0.5 percent.

Although total disappearance of blocks was up slightly from the first half of 1977, there was a significant increase in the use of whiting blocks (table 4). The use of cod blocks continues to dominate the market with 103 million pounds, or 49 percent of the total. The second leading species, pollock, dropped 6.3 million pounds and comprised 21 percent of the use of blocks. The use of whiting blocks moved ahead of haddock blocks, and now commands 8 percent of the block market.

Table 4.--Disappearance of fish blocks, by species, January-June 1977-78

Species	1977	1978	Change
	- -Million pounds- -		-Percent-
Cod	97.1	102.7	+ 6
Flatfish	7.0	8.1	+ 16
Haddock	14.7	16.3	+ 11
Pollock	50.6	44.3	- 12
Whiting	11.3	18.0	+ 59
Minced	11.7	10.9	- 7
Other	14.0	11.2	- 20
Total	206.4	211.6	+ 3

The increased use of blocks occurred during a period when wholesale prices of blocks were extremely steady. Cod block prices have remained at $1 a pound since July 1977 (fig. 1). Prices of pollock blocks, like cod blocks, were steady for about 9 months, but strengthened early in the second half of 1978, advancing about 3 cents in July. Prices of flounder, minced cod, and whiting blocks all were slightly weaker in the first quarter of 1978, but had risen in the second quarter.

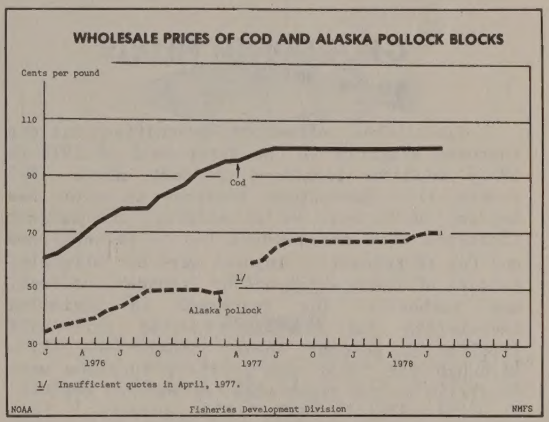


Figure 1

OUTLOOK

Consumption of fish sticks and portions in the second half of 1978 is expected to be slightly above the year-earlier level of 213.6 million pounds, and should establish a new record for the year. The continued growth of batter-coated sticks and portions shows the market strength. However, several factors could dampen consumption. First, the record high retail prices of sticks and portions could limit the increase. Steady prices at the wholesale level have helped prevent larger retail price increases, but costs of labor, transportation, and marketing have continued to rise. Secondly, the supplies of some species of blocks can be expected to tighten in the latter part of 1978 and into 1979, as catches in major producing countries begin to decline seasonally, and block imports may not match demand at present prices. Supplies of cod and whiting should be sufficient. Supplies of pollock and flounder blocks are very light now, and no improvement is expected.

Although record high retail prices of sticks and portions have tended to limit sales, the increases in prices of beef have kept stick and portion prices competitive. Beef prices did level off in July, but a longer term increase in prices is still forecasted. The supply of broilers is up, and prices are expected to be fairly steady.

GROUNDFISH FILLETS

Consumption of major groundfish fillets improved slightly in the first half of 1978 to 192.6 million pounds--3 percent above 1977 (table 5). Groundfish landings at major New England ports were up 19 percent; the largest increases were for haddock (up 84 percent) and cod (up 16 percent). Imports were off slightly, because of lower shipments of flounder, haddock, and turbot. The increases in beginning inventories and landings boosted first-half supplies 6 percent above January-June 1977. Although the total was greater, supplies were generally on the light side, except for cod.

Table 5.--Supply and utilization of major groundfish fillets, January-June 1977-78
(Fillet weight)

Component	1977	1978	Change
	- -Million pounds- -		-Percent-
Beginning inventory	53.2	63.3	+ 19
Landings	36.6	43.4	+ 19
Imports	131.5	128.7	- 2
Total supply	221.3	235.4	+ 6
Ending inventory	33.6	42.8	+ 27
Apparent consumption	187.7	192.6	+ 3

Improved landings of cod and haddock contributed to increased consumption for the two species. Consumption of turbot and ocean perch recorded moderate declines; flounder consumption was off slightly in the first half of 1978.

The moderate demand for most fillets was reflected in generally mixed to slightly lower wholesale prices for frozen fillets in the first half of 1978 (fig. 2). Ocean perch fillets were the exception; they increased 4 percent during the first 6 months of 1978.

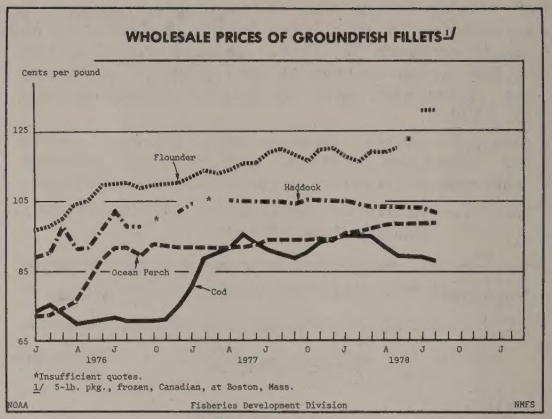


Figure 2

COD

Supplies and apparent consumption of cod fillets in the first half of 1978 hit record highs--eclipsing previous records in 1976 (table 6). Abundant supplies and steady to lower wholesale prices contributed to the increased consumption. Supplies increased 17 percent over January-June 1977 on the strength of the 68-percent increase in beginning-of-the-year inventories. Domestic landings and imports of cod also were greater than a year ago, but they contributed less than one-half of the increase in supplies.

Table 6.--Supply and utilization of cod fillets, January-June 1977-78
(Fillet weight)

Component	1977	1978	Change
	- -Million pounds- -		-Percent-
Beginning inventory	16.2	27.2	+ 68
Landings	14.0	16.2	+ 16
Imports	61.5	64.2	+ 4
Total supply	91.7	107.6	+ 17
Ending inventory	16.0	23.7	+ 48
Apparent consumption	75.7	83.9	+ 11

Domestic landings of cod in the first half of 1978 were 16 percent above a year earlier, and would have been even higher, except for catch quotas limiting U.S. fishermen to specific quantities per week after the directed fishery for cod ended on April 12, 1978. Weekly quotas that can be caught have been revised several times this year. The latest scheme allocates percentages of the quotas to three size classes of trawlers and one class of vessel that includes all sizes of fixed gear vessels; it is based on historical catch records. Weekly catch limits with necessary adjustments being made throughout the year were retained to reduce the possibility of closing the fishery to any vessel class. Even with these measures, the Gulf of Maine cod fishery was closed on August 15.

Imports of cod fillets in the first half of 1978 were 64 million pounds--4 percent higher than January-June 1977, but a million pounds short of the 1976 record. Imports from Canada were up 30 percent and attributed to the 44-percent increase in the January-June 1978 landings. Imports from Iceland, the leading supplier, were up 8 percent and offset the lower shipments from Denmark. Imports from the third leading supplier, Norway, were the same in the first half of 1978 as in 1977. Landings in Norway, after a slow start, reportedly improved in late spring and early summer.

While supplies and consumption increased in the first half of 1978, cold storage holdings of cod fillets accumulated at a faster rate. On June 30, 1978, holdings were 23.7 million pounds--7.7 million pounds greater than on June 30, 1977. Holdings are higher than quantities needed for monthly consumption, but do not appear to be excessive.

Although supplies were improved, fairly moderate demand kept wholesale prices of 5-pound packages of Canadian cod fillets in the first quarter of 1978 at 95 cents a pound, but prices weakened in the second quarter (fig. 2). Prices of boneless Canadian fillets, however, increased slightly during the first half of 1978. By comparison, boneless cod fillets from Iceland and Denmark were unchanged at $1.30 a pound during January-June 1978.

FLATFISH

Total supplies of flatfish (flounder and turbot) fillets in the first half of 1978 were off 7 percent from a year earlier (table 7). Higher beginning inventories and domestic landings were not enough to offset a sharp decline in imports. The 17-percent decline in imports limited supplies. Apparent consumption also dipped. The decline in consumption, however, was larger than the drop in supplies and allowed June 30, 1978, inventories to increase slightly.

Table 7.--Supply and utilization of flounder and turbot fillets, January-June 1977-78

(Fillet weight)

Component	Flounder			Turbot			Total		
	1977	1978	Change	1977	1978	Change	1977	1978	Change
	-Mil.pounds-		- Percent-	-Mil.pounds-		-Percent-	-Mil.pounds-		-Percent-
Beginning inventory	9.1	9.0	- 1	8.5	9.9	+ 16	17.6	18.9	+ 7
Landings	12.1	12.7	+ 5	-	-	-	12.1	12.7	+ 5
Imports	21.1	20.1	- 5	18.2	12.6	- 31	39.4	32.7	- 17
Total supply	42.4	41.8	- 1	26.7	22.5	- 16	69.1	64.3	- 7
Ending inventory	5.4	6.0	+ 11	3.9	4.7	+ 21	9.3	10.7	+ 15
Apparent consumption	37.0	35.8	- 3	22.8	17.8	- 22	59.8	53.6	- 10

Supplies of flounder fillets in the first half of 1978 declined 1 percent compared with January-June 1977. A 5-percent drop in imports was caused primarily by reduced shipments from Canada and Japan. The drop would have been greater, except for greater quantities from the Netherlands. Canadian flounder landings in the first 6 months of 1978 were 9 percent below January-June 1977. New England landings of flounder increased slightly. Increases in catches of blackbacks and grey sole offset declines in catches of dabs and yellowtails.

Lower supplies of flounder were reflected in a 3-percent drop in apparent consumption. Even with lower supplies, prices in the first half of 1978 were relatively steady. Wholesale prices of 5-pound packages of Canadian flounder fillets varied by less than 4 cents a pound, and at $1.21 a pound in May matched the record monthly price.

Sharply lower imports of turbot fillets in the first half of 1978 limited supplies and consumption. Although supplies were 16 percent less than during January-June 1977, the drop in consumption was greater. Consumption of turbot fillets in the first half of 1978 was 17.8 million pounds--22 percent below a year earlier.

Imports declined 31 percent, primarily because of a 44-percent drop in shipments from Japan, the leading supplier of turbot fillets to the United States. Shipments from Canada increased only slightly, although landings in the first 6 months of 1978 were 45 percent above the 1977 period.

Supplies and consumption of turbot were lower, and demand was moderate. The fairly steady wholesale prices in the first half of 1978 reflected the demand. Prices were about 30 percent above a year earlier in January-April, but the price difference was down to 2 percent by June. Prices of Canadian turbot fillets were 92 to 96 cents a pound during the first half of 1978, and now are above the price of cod fillets. Prices of 25-pound, IQF turbot fillets from Japan in the first 7 months of 1978 were between $1.03 and $1.06 a pound.

HADDOCK

Fairly good demand and improved landings supported a 25-percent increase in consumption of haddock fillets in the first half of 1978 (table 8). Supplies of haddock fillets were 22 percent above 1977 levels, as landings were 84 percent greater than a year earlier, and inventories started the year 51 percent higher. Although haddock landings at major New England ports were nearly double a year ago, landings of large haddock increased only 25 percent, while landings of smaller or scrod haddock were triple January-June 1977 levels. Like cod, haddock catches would have been even greater, except for catch quotas and weekly trip limits recommended in the Fishery Management Plan for Groundfish.

Table 8.--Supply and utilization of haddock fillets, January-June 1977-78
(Fillet weight)

Component	1977	1978	Change
	- -Million pounds- -		-Percent-
Beginning inventory	5.1	7.7	+ 51
Landings	4.4	8.1	+ 84
Imports	15.9	15.3	- 4
Total supply	25.4	31.1	+ 22
Ending inventory	4.6	5.1	+ 11
Apparent consumption	20.8	26.0	+ 25

Estimated imports of haddock fillets were slightly lower than January-June 1977 quantities.1/ A one-third increase in shipments from Canada did not offset the decline in imports from Norway and Denmark. Shipments from Iceland, the second leading supplier in the first half of 1978, were the same as a year earlier.

The light but sufficient supply of frozen haddock fillets kept wholesale prices from rising, and prices ranged from $1.03 to $1.05 a pound during the first half of 1978. They were also about the same as a year ago. Retail prices of frozen haddock fillets, however, continued to increase gradually, and hit a record $2.04 in May 1978--20 cents above May 1977.

1/ Imports of haddock were revised from previous estimates from a category that also includes cusk, hake, and pollock.

OCEAN PERCH

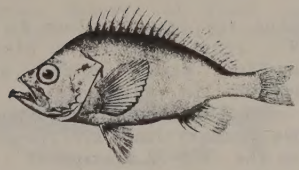
In the first half of 1978, supplies and apparent consumption of ocean perch fillets fell about 7 percent from January-June 1977 (table 9). Even though U.S. landings were up slightly and there was a moderate increase in imports, lower beginning year inventories limited supplies. Compared to earlier years, ocean perch supplies were 40 percent below the 1972-76 average level.

Table 9.--Supply and utilization of ocean perch fillets, January-June 1977-78
(Fillet weight)

Component	1977	1978	Change
	--Million pounds--		-Percent-
Beginning inventory	14.3	9.5	- 34
Landings	6.1	6.4	+ 5
Imports	14.7	16.5	+ 12
Total supply	35.1	32.4	- 8
Ending inventory	3.7	3.3	- 11
Apparent consumption	31.4	29.1	- 7

The 12-percent increase in imports was attributed to the 43-percent increase in shipments from Canada, the leading United States supplier. A 74-percent increase in Canadian landings of ocean perch from 12,021 metric tons to 20,938 tons in the first 6 months led to the increase, with production directed primarily into fillets rather than into blocks. Imports from Canada improved, but shipments from Iceland, the second leading supplier, declined 54 percent.

Because of lower supplies and moderate demand, wholesale prices of frozen ocean perch fillets increased. The change was mild: prices increased from 94.8 cents in January to 99 cents a pound in June 1978. The increase was tempered by abundant supplies and lower prices for cod fillets. As with other fillet products, retail prices increased steadily. Frozen ocean perch fillets were $1.75 in February and rose to a record $1.85 a pound in June 1978, 10 percent higher than in June 1977.



OUTLOOK

Supplies of flounder, haddock, ocean perch, and turbot fillets are expected to be light for the rest of 1978. The supply of cod fillets should be adequate to meet demand. Catches of most species have begun to decline seasonally; this, combined with restrictive fishing quotas, could limit supplies of fresh groundfish. Catches by major foreign suppliers of groundfish fillets will be about the same as in 1977. Canadian catches in the first half of 1978 were up one-third, but the catches are dropping seasonally and increases over 1977 are dwindling. Catches in Norway and Iceland will be about the same as in 1977. Denmark's catch is well below 1977, and cod fillet production was down 33 percent. Imports from Denmark should continue to decline, because of increased demand in Europe and reduced resources.

Inventories of flounder and ocean perch fillets are low compared to monthly consumption; supplies are expected to be light. Holdings in Canada of flounder fillets were down 32 percent on June 30; ocean perch holdings were off 38 percent. Inventories of haddock and turbot were moderately above year-earlier levels both in the United States and Canada. Consumption of cod and haddock fillets is expected to increase slightly from a year earlier in the second half; consumption of flounder and ocean perch fillets is likely to decline. Consumption of turbot fillets in the second half may be about the same as in 1977, but down for the year, because of the sharp decline in the first half of 1978.

Prices for groundfish fillets are generally expected to be fairly steady to slightly higher. Prices of Canadian flounder fillets jumped 8 percent, or 10 cents a pound in July 1978. Cod prices dropped slightly in the first half of 1978, and possibly slight increases could be realized in the second half. Prices of ocean perch and turbot fillets inched upward in the first 6 months and may continue upward in the rest of 1978.

SALMON

The market for canned salmon in the first half of 1978 continued to be blessed with improved supplies, steady prices, and a 24-percent increase in shipments. Estimated consumption of 1.3 million standard cases was 9 percent above January-June 1977, but still 15 percent below the 1969-72 average of 1.5 million cases. The largest increase, however, was in exports of canned salmon--up 136 percent from a year earlier. Shipments to all major buyers were substantially higher. Exports to the United Kingdom, the leading buyer, were more than triple the January-June 1977 quantities (table 10).

Table 10.--U.S. exports of canned salmon, by country of destination, January-June 1977-78

Country	1977	1978	Change
	--Thousand pounds--		-Percent-
Canada	2,145	3,466	+ 62
United Kingdom	2,576	8,630	+ 235
Netherlands	1,027	2,594	+ 153
Australia	910	2,683	+ 195
Other	1,588	2,067	+ 30
Total	8,246	19,440	+ 136

The export market for fresh and frozen salmon was very good in the first half of 1978--it was even ahead of last year's record pace. Again this year, the Japanese continued purchasing large amounts of salmon, while Sweden, the United Kingdom, and West Germany increased purchases substantially over the first half of 1977. Out of the 25 million pounds exported in the first half of 1978, Japan purchased 11 million pounds. France received 3.5 million pounds, followed by the United Kingdom with 2.9 million pounds.

Through August 27, the 1978 Alaska canned salmon pack was 20 percent ahead of last year's excellent pack. The Alaska salmon pack through August 27, 1978, was 3.0 million standard cases, 503,000 cases more than last year's production as of the same date (table 11). Over one-half of the 1978 pack was pink salmon. The present pack of 1.7 million standard cases of pinks in 1978 was the highest since 1968. The pack of pinks was good in all areas, although the production in the Southeastern and Central regions of Alaska was below a year earlier. The pack in Bristol Bay and North Peninsula areas, 345,345 cases, was six times the 1973-77 average. The production of reds was slightly above the 1977 season through August 27. Only the pack of chums declined; it was 13 percent less than in 1977.

Table 11.--Alaska canned salmon pack through August 27, 1977 and 1978 , by species

Species	1977	1978	Change
	--Standard cases--		-Percent-
King	10,040	16,081	+ 60
Red	913,729	955,801	+ 5
Coho	19,084	22,990	+ 20
Pink	1,219,523	1,719,783	+ 70
Chum	374,706	325,321	- 13
Total	2,537,082	3,039,976	+ 20

The salmon pack in British Columbia was substantially behind last year's pace. Through August 26, the pack of pink salmon was down 30 percent and accounted for 44 percent of the total pack to date. The second leading species, red salmon, also declined--down 13 percent. The total pack through August 26 of 931,168 standard cases was 21 percent below the 1977 pack.

From the fall of 1977 to the start of the 1978 season, wholesale prices of canned salmon were extremely steady, except for some declines to reflect the high pack in 1977 and stocks on hand (fig. 3). During the first quarter of 1978, discounts of $2 to $8 per case of 48 cans for reds, pinks, and chums prevailed. With demand fairly strong for reds both in the domestic and export market, prices were mostly at list during the second quarter. Promotional discounts for pink and chum salmon continued for most of the second quarter.

Prices at the retail level were steady in the first half of 1978. Based on an NMFS survey, retail prices of canned pink salmon were steady at just about $2 a pound, the same as a year earlier. Prices of canned red salmon were steady at around $2.80 a pound, but prices were about 6 percent higher than in the first half of 1977.

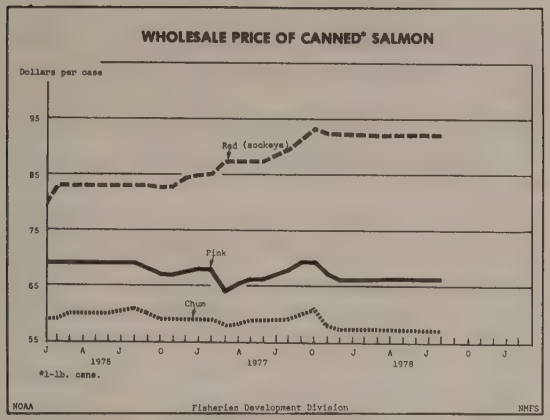


Figure 3

OUTLOOK

The Alaska pack of canned salmon through August 27 reached over 3 million standard cases, the best since 1971, and equal to the 1968-72 average pack of 3.05 million standard cases. The improved pack combined with larger June 1 carryover stocks will provide ample supplies available for consumption and export.

The increased supplies are likely to result in fairly steady prices for most species of canned salmon. The demand for canned red salmon has been strong, and prices are expected to increase over the first half of 1978. The largest increase was in the pack of pink salmon. The large pink pack, combined with greater carryover stocks, leads us to believe that wholesale prices will be steady or slightly lower. Little change in the prices of chums is foreseen. Although the 1978 pack of chums was lower than in 1977, the June 1 stocks were nearly double those of a year earlier.

Improved supplies and steady to lower prices of canned salmon should be reflected in a moderate increase in consumption. Exports of canned salmon should continue to outpace 1977 shipments, and will be the highest since 1946. In addition, exports will be aided by the very poor Japanese pack of canned salmon. Japan is a major consumer and exporter of canned salmon. Their pack of only 100,000 cases in 1978, compared with about 2 million cases in 1977, will fall short of supplying their domestic market, which has an annual consumption of between 800,000 and 1 million cases. The rest is either exported primarily to Australia, New Zealand, and Western Europe, or carried over to the next year. According to an industry source, Japan is expected to become an importer of canned salmon. Exports of fresh and frozen salmon are likely to surpass the record sales in 1977.

TUNA

A year ago, most of the U S. fleet of tuna purse seiners returned to port before completion of their first trip of the year to protest the porpoise quota for 1977. It was not until a compromise quota was reached in mid-May that the purse seiners set out to sea. Without any interruptions as occurred in 1977, receipts of domestic-caught tuna in the first 6 months of 1978 were 152,417 short tons--80 percent above last year's reduced quantities (table 12). The first-half receipts were 5 percent greater than the 1973-76 average of 144,800 short tons. Skipjack catches have been exceptionally good this year, and were 10 percent ahead of the 1976 record as of the end of June. Meanwhile, receipts of domestic-caught yellowfin increased 61 percent in the first 6 months of 1978, but were still about 30 percent below the 1973-76 average receipts. Porpoise mortality in 1978 has been extremely low, primarily because of the abundance of small yellowfin (not associated with porpoises) and large numbers of skipjack.

Table 12.--Receipts of domestic-caught tuna by U.S. canners including American Samoa and Puerto Rico, by species, January-June 1976-78

Species	1976	1977	1978	Change 1977 to 1978
	- - -Short tons- - -			-Percent-
Albacore	246	172	198	+ 15
Bluefin	2,496	1,113	276	- 84
Skipjack	73,109	38,027	80,848	+ 113
Yellow-fin	100,743	43,595	70,250	+ 61
Bonito	74	1,727	845	- 51
Total	176,667	84,634	152,417	+ 80

Increased imports of raw tuna and improved landings have put supplies of raw tuna 37 percent above January-June 1977. Imports of raw tuna were 292 million pounds--9 percent greater than the first 6 months of 1977 (table 13). Imports of both skipjack and yellowfin were substantially above 1977, but imports of albacore tuna were 4 percent lower. Japan continued to be the major supplier of raw tuna with 32 percent of total imports. Taiwan was a distant second with only 9 percent.

Table 13.--U.S. imports of raw and canned tuna, by species or type, January-June 1977-78

Species or type	1977	1978	Change
	- Thousand pounds-		-Percent-
Raw tuna			
Albacore	78,905	76,011	- 4
Skipjack	124,321	138,703	+ 12
Yellowfin	60,010	71,560	+ 19
Not specified	4,290	6,103	+ 42
Total raw	267,526	292,377	+ 9
Canned tuna			
In oil	89	99	+ 11
In brine			
Albacore	9,931	5,742	- 42
Other	7,722	10,713	+ 39
Total in brine	17,653	16,445	- 7
Total canned	17,742	16,554	- 7

The improved supplies of raw tuna resulted in a 35-percent increase in the tuna pack, which rose to an estimated 17 million cases--up 4.4 million cases from January-June 1977. The 1978 pack surpassed the record first-half production of 1974 by 5 percent.

Exvessel prices of yellowfin and skipjack tuna were unchanged from the end of 1977 at $840 a short ton for yellowfin and $790 a ton for skipjack. Prices of albacore tuna increased another $55 a ton to a record $1,220 at the beginning of the albacore season in June. The price in Japan also advanced on reports of a low catch in their summer albacore fishery. The price of albacore in Japan jumped $479 a short ton to $1,650 in June. Meanwhile, the price of skipjack in Japan dropped $215 a ton, to $634 a ton, because of greater landings, lower demand, and increased value of the yen.

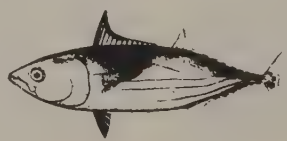
With the pack at record levels, wholesale list prices were fairly steady in the first half of 1978. Canners, however, have been discounting from list. They have given discounts or promotional allowances up to $8.50 a case for chunk light tuna, which has been generally selling for $4 to $7.50 a case off lists of $34 to $35 a case. Comparable allowances were given for canned white meat or albacore tuna.

At the retail level, prices of chunk light tuna were fairly steady at just under 80 cents a can; however, they were 14 percent above prices in the first half of 1977. There was a similar pattern for white meat tuna, but prices in 1978 were about 8 percent higher than in January-June 1977.

OUTLOOK

The supply of raw tuna available for canning should be more than adequate in the second half of 1978. In the last 5 years, receipts of domestic-caught tuna averaged 139,000 short tons, and were over 150,000 tons in 1976 and 1977. Imports of raw tuna averaged 288 million pounds in the second half in the last 2 years. If landings are close to the 5-year average and imports can match the 1976-77 average, then supplies of raw tuna should be sufficient for canning purposes.

The reduction of promotions to $4 a case for chunk light tuna may indicate some strengthening in sales in midyear. Promotions were about $7.50 a case for most of the first half of 1978. Record high retail prices of canned tuna may have limited sales early in the year, but with rising prices of beef, especially hamburger, sales increased in midyear. If the apparent strength in sales can be sustained, consumption for the year would be about the same to slightly above 1977 levels.



STATISTICAL APPENDIX

Table A1.--Supplies and utilization of fish sticks and portions, 1960-77

(Product weight)

Year	Supplies					Utilization		
	Beginning stocks	Production			Imports	Total	Ending stocks	Apparent consumption	
		Sticks	Portions	Total				Total	Per capita
	-Million pounds-								-Pounds-
1960	6.9	65.1	49.4	114.5	0.2	121.6	9.1	112.5	0.625
1961	9.1	69.8	59.8	129.6	0.5	139.2	10.5	128.7	.703
1962	10.5	77.2	78.7	150.9	0.3	161.7	11.5	150.1	.807
1963	11.6	79.3	94.6	179.3	0.4	185.9	13.6	172.1	.912
1964	13.6	73.6	106.3	179.9	0.2	193.7	8.1	185.6	.969
1965	8.1	82.5	140.4	222.9	0.3	231.3	20.2	211.1	1.091
1966	20.2	81.4	147.6	229.0	0.4	249.6	19.5	230.1	1.176
1967	19.5	73.9	161.3	235.2	0.4	255.1	14.0	241.1	1.222
1968	14.0	91.7	182.8	274.5	0.9	289.4	24.0	265.4	1.328
1969	24.0	113.4	217.0	330.4	1.6	356.0	25.4	330.0	1.637
1970	25.4	115.9	234.3	350.2	1.2	376.8	22.0	354.8	1.746
1971	22.0	97.8	239.7	337.5	1.2	360.7	23.2	337.5	1.637
1972	23.2	114.5	269.2	383.7	1.4	408.3	34.4	373.9	1.784
1973	34.4	127.2	298.4	425.6	1.7	461.7	41.5	420.2	2.002
1974	41.5	103.1	276.2	379.3	1.5	422.3	33.3	389.0	1.840
1975	33.3	91.1	295.6	386.7	0.4	420.4	35.3	385.1	1.808
1976	35.3	93.4	340.1	433.5	0.6	469.4	31.0	438.4	2.042
1977 1/	31.0	87.0	350.8	437.8	0.6	469.4	30.5	438.9	2.029

1/ Preliminary.

Table A2.--Supplies and utilization of sticks and portions, 1977-78
(Product weight)

Month	Supplies						Utilization	
	Beginning stocks	Production			Imports	Total	Ending stocks	Apparent consumption
		Sticks	Portions	Total				
	Million pounds							
1977								
January	31.0	7.1	26.6	33.7	1/	64.7	31.9	32.9
February	31.9	9.9	27.2	37.2	1/	69.1	29.7	39.4
March	29.7	10.8	35.9	46.7	0.1	76.5	29.5	47.0
1st quarter	31.0	27.8	89.8	117.6	.1	148.7	29.5	119.2
April	29.5	7.4	30.7	38.1	.1	67.7	29.8	38.2
May	29.8	5.7	29.9	35.7	1/	65.2	29.1	36.1
June	29.1	6.6	28.7	35.3	.1	64.4	32.8	31.6
2d quarter	29.5	19.8	89.3	109.1	.2	138.8	32.8	106.0
July	32.8	5.5	23.3	28.7	1/	61.5	29.8	31.7
August	29.8	6.9	28.9	35.8	.1	65.7	28.6	37.1
September	28.6	9.0	30.7	39.8	.1	68.5	29.4	39.1
3d quarter	32.8	21.4	82.9	104.2	.2	137.2	29.4	107.8
October	29.4	5.9	33.1	39.0	1/	68.4	29.9	38.5
November	29.9	6.2	29.6	35.7	.1	65.7	32.6	33.1
December	32.6	5.9	26.1	32.0	1/	64.6	30.5	34.1
4th quarter	29.4	18.0	88.8	106.8	.1	136.3	30.5	105.8
Year	31.0	87.0	350.8	437.8	.6	469.4	30.5	438.9
1978								
January	30.5	7.4	28.1	35.4	1/	65.9	29.0	36.9
February	29.0	8.5	28.6	37.1	.1	66.2	26.2	40.0
March	26.2	10.2	39.6	49.8	.2	76.2	28.2	48.0
1st quarter	30.5	26.0	96.3	122.3	.3	153.1	28.2	124.9
April	28.2	8.4	33.9	42.3	.2	70.7	31.9	38.8
May	31.9	6.3	32.8	39.1	.1	71.1	32.0	39.1
June	32.0	7.7	32.9	40.6	.2	72.8	34.3	38.5
2d quarter	28.2	22.5	99.6	122.1	.5	150.8	34.3	116.5
July								
August								
September								
3d quarter								
October								
November								
December								
4th quarter								
Year								

1/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding. Data are preliminary.

Table A3 .--Wholesale prices for fish sticks and portions, monthly, 1976-78

Month	Sticks, cooked				Portions, raw breaded			
	Cod	Haddock	Pollock	Whiting	Cod	Haddock	Pollock	Whiting
	Cents per pound							
1976								
January	73.3	75.3	54.0	62.0	71.0	72.5	53.0	54.0
February	74.4	76.0	54.5	61.8	72.5	74.1	53.3	55.8
March	78.4	79.2	57.2	61.2	76.8	79.0	54.0	61.0
April	79.0	80.0	58.0	61.0	76.8	79.0	54.0	61.0
May	83.2	84.7	62.3	62.3	81.9	85.3	59.0	61.0
June	87.3	89.3	66.5	63.0	87.0	91.5	64.0	1/
July	89.1	90.8	66.4	69.7	88.0	91.5	63.7	67.5
August	90.0	91.8	66.3	73.0	88.5	91.5	65.5	67.5
September	88.8	92.5	67.2	73.0	88.5	91.5	66.9	68.7
October	90.0	94.6	67.4	72.3	90.6	93.0	66.4	68.5
November	96.0	99.3	66.0	70.0	97.0	97.5	66.0	65.5
December	96.0	99.3	66.0	70.0	97.0	97.5	66.0	65.5
Average	85.5	87.7	62.7	66.6	84.6	87.0	61.0	63.3
1977								
January	98.0	101.2	68.3	71.5	100.8	101.5	68.0	67.5
February	100.0	103.0	70.5	73.0	104.5	105.5	70.0	69.5
March	106.5	110.5	70.9	70.5	105.0	108.0	70.0	69.0
April	106.5	110.5	71.0	70.5	105.0	108.0	70.0	69.0
May	106.5	110.5	71.0	70.5	105.0	108.0	70.0	69.0
June	108.0	110.8	72.5	70.9	109.5	111.3	71.8	70.2
July	109.0	111.0	73.5	72.5	112.5	113.5	73.0	71.0
August	109.0	111.0	73.5	72.5	112.5	113.5	73.0	71.0
September	115.0	115.5	80.3	73.6	114.8	116.9	78.3	71.0
October	117.0	117.0	82.5	74.0	115.5	118.0	80.0	71.0
November	117.0	117.0	82.5	74.0	115.5	118.0	80.0	71.0
December	117.0	117.0	82.5	74.0	115.5	118.0	80.0	71.0
Average	109.1	111.3	74.9	72.3	109.7	111.7	73.7	70.3
1978								
January	117.0	117.0	82.5	74.0	115.5	118.0	80.0	71.0
February	117.0	117.0	82.5	74.0	115.5	118.0	80.0	71.0
March	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
April	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
May	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
June	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
July	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
August	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
September								
October								
November								
December								
Average								

1/ Insufficient quotes.

Note: Prices to primary wholesalers as quoted by producers at Boston, Gloucester, and New Bedford.
Source: Fishery Market News Report, National Marine Fisheries Service, Boston, Mass.

Table A4.--Supplies and utilization of frozen fish blocks, 1960-77
(Product weight)

Year	Supplies				Utilization	
	Beginning stocks	U.S. freezings	Imports	Total	Ending stocks	Disappearance
	Million pounds					
1960	23.2	0.8	98.7	113.7	24.8	88.9
1961	24.8	1.2	118.6	144.6	17.7	126.9
1962	17.7	1.6	143.5	162.8	24.3	138.5
1963	24.3	2.0	153.3	179.6	25.8	153.8
1964	25.8	2.0	166.2	194.0	20.0	174.0
1965	20.0	2.9	214.8	237.7	37.4	200.3
1966	37.4	6.0	206.5	249.9	35.2	214.7
1967	35.2	6.2	189.5	230.9	32.3	198.6
1968	32.3	3.6	261.1	297.0	44.4	252.6
1969	44.4	2.0	266.7	313.0	43.0	270.0
1970	43.0	4.4	272.7	320.1	30.6	298.5
1971	30.6	6.5	311.2	348.3	62.7	285.6
1972	62.7	3.1	355.5	421.3	75.8	343.5
1973	75.8	6.1	358.7	440.6	80.6	360.0
1974	80.6	2.4	266.1	349.1	75.7	273.4
1975	75.7	2.2	313.5	391.4	79.0	312.4
1976	79.0	2.7	378.7	460.4	61.1	399.3
1977 1/	61.1	4.6	385.1	450.8	73.2	377.6

1/ Preliminary.

Table A 5.--Supplies and utilization of frozen fish blocks, monthly, 1977-78
(Product weight)

Year	Supplies				Utilization	
	Beginning stocks	Production	Imports	Total	Ending stocks	Disappearance
	Million pounds					
1977						
January	61.1	0.3	24.8	86.2	52.9	32.2
February	52.9	.2	21.9	75.0	45.4	29.6
March	45.4	.4	35.2	81.0	40.6	40.4
1st quarter	61.1	1.0	81.9	144.0	40.6	103.4
April	40.6	.5	38.7	79.8	45.6	34.2
May	45.6	.7	34.2	80.5	44.6	35.9
June	44.6	.6	36.2	81.4	48.4	33.0
2d quarter	40.6	1.8	109.0	151.4	48.4	103.0
July	48.4	.3	40.9	89.6	70.4	19.2
August	70.4	.4	41.2	112.0	76.7	35.3
September	76.7	.1	33.1	109.9	86.7	23.3
3d quarter	48.4	.8	115.2	164.4	86.7	77.7
October	86.7	.2	25.9	112.8	79.6	33.2
November	79.6	.6	29.3	109.6	70.0	39.5
December	70.0	.2	23.8	94.0	73.2	20.8
4th quarter	86.7	1.0	79.0	166.7	73.2	93.5
Year	61.1	4.6	385.1	450.8	73.2	377.6
1978						
January	73.2	.1	17.0	90.3	53.4	37.0
February	53.4	.2	31.5	85.0	51.3	33.8
March	51.3	.3	35.0	86.5	43.8	42.7
1st quarter	73.2	.6	83.5	157.3	43.8	113.4
April	43.8	.5	32.9	77.3	38.5	38.8
May	38.5	.2	39.0	77.6	47.6	30.0
June	47.6	.2	36.1	83.9	54.6	29.3
2d quarter	43.8	.9	108.0	152.7	54.6	98.1
July	54.6	.1	41.5	92.6	66.7	29.5
August						
September						
3d quarter						
October						
November						
December						
4th quarter						
Year						

Note: Figures may not add to total because of rounding.

Table A 6.--Wholesale prices for frozen fish blocks, monthly, 1976-78

Month	Cod	Cod, minced	Flounder	Haddock	Pollock	Pollock, Alaska	Whiting	Wolffish
	Cents per pound							
1976								
January	60.8	25.0	74.1	61.1	36.5	35.6	39.5	60.0
February	62.5	25.0	75.5	63.4	37.0	36.0	39.4	60.5
March	65.6	26.0	77.4	68.0	38.1	37.5	39.0	61.0
April	69.1	29.3	83.0	70.0	40.0	38.4	39.5	1/
May	73.5	30.4	86.0	74.5	44.8	39.5	41.0	1/
June	75.5	33.0	96.0	80.1	49.0	42.0	42.0	1/
July	78.3	33.0	96.0	81.0	50.1	43.4	43.4	1/
August	78.5	33.9	96.0	81.4	50.9	46.8	43.8	1/
September	79.0	34.4	96.0	83.5	52.0	49.0	44.6	82.5
October	83.2	34.1	96.0	85.5	52.0	48.9	45.0	1/
November	85.1	34.5	96.0	88.8	52.0	49.0	45.5	84.5
December	87.6	34.5	96.0	89.8	52.0	49.0	45.5	84.5
Average	74.9	31.1	89.0	77.2	46.2	43.0	42.4	72.2
1977								
January	91.4	35.1	96.0	93.8	52.0	49.0	45.5	85.0
February	93.8	35.6	95.6	96.6	52.0	48.6	45.5	85.7
March	95.0	36.4	95.5	100.0	52.2	49.5	45.6	86.6
April	95.8	37.4	95.5	100.0	53.4	1/	46.0	84.5
May	97.9	39.0	96.0	100.0	57.0	59.5	47.8	84.5
June	99.9	39.5	96.0	102.3	61.3	60.2	50.4	88.0
July	100.0	38.8	96.0	104.1	64.1	65.0	53.4	88.0
August	100.0	36.6	96.0	104.2	66.0	67.0	55.8	88.0
September	100.0	35.2	96.0	104.0	66.0	68.0	58.2	89.0
October	100.0	34.5	95.8	104.0	66.3	67.1	57.8	90.0
November	100.0	33.6	94.9	104.0	67.0	67.0	58.1	92.0
December	100.0	32.0	94.4	104.0	67.0	67.0	59.0	93.5
Average	97.8	36.1	95.6	101.4	60.4	60.7	54.4	87.9
1978								
January	100.0	32.0	94.0	104.0	67.0	67.0	59.8	92.5
February	100.0	32.0	94.0	104.0	67.0	67.0	60.0	1/
March	100.0	32.0	94.6	104.0	67.0	67.0	58.2	93.0
April	100.0	34.3	95.5	104.0	67.3	67.0	58.4	95.5
May	100.0	36.5	97.3	104.0	68.3	67.0	59.0	1/
June	100.0	40.5	99.9	104.0	69.9	69.6	60.0	1/
July	100.0	40.5	102.9	104.0	70.0	70.0	60.0	96.0
August	100.0	41.0	104.4	104.2	71.6	70.0	60.0	96.0
September								
October								
November								
December								
Average								

1/ Insufficient quotes.

Note: Prices to processors as quoted by producers, importers, and brokers at Boston, Gloucester, and New Bedford.
Source: Fishery Market News Report, National Marine Fisheries Service, Boston, Mass.

Table A 7.--U.S. imports of blocks, by country of origin and species, annual, 1976-77

Country	Cod		Flatfish		Haddock		Pollock		Other		Total	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
	Million pounds											
Canada	33.7	57.7	10.9	11.4	.3	.8	1.2	.8	8.4	9.7	54.5	80.3
Denmark	43.1	42.5	.1	1/	2.5	10.9	5.0	10.4	3.8	5.2	54.5	69.2
Iceland	36.7	39.0	.9	.4	10.1	6.0	10.2	11.1	9.4	6.5	67.3	62.9
Norway	32.1	35.6	1/	1/	12.2	7.4	5.1	2.5	.5	1.6	49.9	47.2
Rep. of Korea	.9	.4	.1	-	-	.1	58.6	43.2	-	.1	59.6	43.7
Japan	2.9	7.2	9.1	2.8	.1	.1	10.5	10.5	3.5	2.8	26.1	23.4
Argentina	-	-	.1	-	1/	.1	-	-	10.8	14.8	10.9	14.9
Greenland	4.7	12.4	.2	.3	-	-	-	-	2.4	1.8	7.4	14.5
Poland	8.8	4.5	.1	-	-	.1	2.0	3.8	3.4	2.4	14.3	10.8
United Kingdom	1.1	.9	1/	1/	1.8	5.1	.8	.4	.3	2.7	4.0	9.2
F.R. of Germany	13.9	1.6	-	1/	1.2	.1	2.0	.1	1.9	1.0	19.0	2.8
Other	2.2	3.2	.2	.2	.3	.1	.3	.2	8.3	2.7	11.2	6.2
Total	180.1	204.9	21.7	15.1	28.5	30.8	95.7	83.0	52.7	51.4	378.7	385.1

1/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.

Source: U.S. Department of Commerce, Bureau of the Census.

Table A 8.--Imports of blocks and slabs, by country of origin and species, January-June 1977-78

Country	Cod		Haddock		Pollock		Whiting		Other		Total	
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
	Million pounds											
Canada	17.1	23.2	.1	1.2	.4	1.2	1/	1/	8.0	14.4	25.6	40.0
Denmark	25.5	22.8	4.1	4.7	3.0	2.4	.1	.4	2.8	1.1	35.5	31.4
Iceland	19.2	18.1	2.9	3.5	6.5	4.5	1/	1/	3.2	3.4	31.8	29.5
Rep. of Korea	.1	-	-	-	25.3	24.5	-	2.1	-	1.3	25.4	27.9
Norway	22.5	17.1	4.5	3.4	1.1	.8	-	1/	.5	.3	28.6	21.6
Argentina	-	.5	.1	-	-	.1	3.8	14.1	.1	.4	4.0	15.1
Greenland	6.3	10.8	-	-	-	-	-	-	1.1	.6	7.4	11.4
Japan	6.1	.4	-	-	5.3	3.4	1/	.7	3.5	2.0	14.9	6.5
Poland	3.5	2.3	-	-	3.4	.2	1.3	.6	.4	1/	8.6	2.5
Other	2.7	1.0	3.2	.6	.2	.4	2.0	2.7	1.0	.3	9.1	5.6
Total	103.0	96.2	14.9	13.4	45.2	37.5	7.2	20.6	20.6	23.8	190.9	191.5

1/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.

Source: U.S. Department of Commerce, Bureau of the Census.

Table A9 .--U.S. imports of groundfish fillets, by country of origin and species, annual, 1976-77

Country	Cod		Flatfish 1/		Cusk, haddock, hake and pollock		Ocean perch		Total	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
	-Million pounds-									
Canada	28.2	29.8	46.1	49.4	9.2	12.3	53.9	37.2	137.3	128.8
Iceland	50.2	58.9	.2	.2	13.9	17.0	4.6	5.8	69.0	81.8
Japan	3.2	2.2	48.1	34.3	.7	1.2	.2	.1	52.2	37.7
Denmark	18.0	13.2	1.5	2.6	7.8	8.6	.1	.2	27.4	24.6
Norway	11.6	16.0	.1	.1	10.0	6.0	.2	.2	21.9	22.4
United Kingdom	1.0	.4	.9	1.3	6.3	4.4	.5	.9	8.7	7.1
Poland	2/	.1	1.5	4.3	-	-	-	.2	1.6	4.5
Miquel	.9	.5	.2	.2	2/	2/	.5	.6	1.6	1.3
Other	5.4	1.2	2.1	3.5	1.6	.4	.3	-	9.3	5.1
Total	118.5	122.3	100.7	95.9	49.5	49.9	60.3	45.2	329.0	313.3

1/ Includes Greenland turbot.
2/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.

Source: U.S. Department of Commerce, Bureau of the Census.

Table A10.--U.S. imports of fillets by country of origin and species, January-June 1977-78

Country	Cod		Flatfish		Haddock, cusk, hake and pollock		Atlantic perch		Total	
	1977	1978	1977	1978 1/	1977	1978	1977	1978	1977	1978
	Million pounds									
Canada	15.2	19.8	19.2	17.3	6.7	9.3	9.7	14.0	50.8	60.4
Iceland	27.0	29.1	.1	.2	8.6	8.6	4.1	2.0	39.8	39.9
Japan	1.5	.9	16.5	9.9	.7	.1	2/	.1	18.7	11.0
Denmark	7.4	6.0	.7	.9	4.8	4.1	2/	2/	12.9	11.0
Norway	9.1	9.2	.1	.1	3.2	1.4	.1	2/	12.5	10.7
Netherlands	-	2/	.5	2.1	2/	-	-	-	.5	2.1
United Kingdom	.3	.1	.5	.2	2.2	1.3	.5	.3	3.5	1.9
Poland	2/	-	1.3	1.1	-	-	.1	.1	1.4	1.2
Miquelon	.4	.6	.1	.1	2/	2/	.2	2/	.7	.7
Greenland	.4	.5	2/	.1	-	-	-	-	.5	.6
Other	.2	.5	.4	.7	.2	.3	-	-	.8	1.5
Total	61.5	66.7	39.4	32.7	26.4	25.1	14.7	16.5	142.0	141.0

1/ Flatfish includes 12.6 million pounds of turbot.
2/ Less than 50,000 pounds.

Note: Figures may not add to total because of rounding.

Source: U.S. Department of Commerce, Bureau of the Census.

Table All.--Supplies and utilization of fresh and frozen cod, 1960-77

(Fillet weight)

Year	Supplies					Utilization		
	Beginning stocks	Landings			Imports	Total	Ending stocks	Apparent consumption	
		Atlantic	Pacific	Total				Total	Per capita
	Million pounds								Pounds
1960	14.4	13.1	1.6	14.7	29.6	58.7	7.8	50.9	0.283
1961	7.8	15.1	0.9	16.0	32.2	56.0	7.1	48.9	.268
1962	7.1	15.2	1.0	16.2	33.0	56.3	9.7	46.6	.250
1963	9.7	13.7	1.9	15.6	32.7	58.0	8.9	49.1	.260
1964	8.9	12.6	1.9	14.5	33.5	56.9	6.2	50.7	.265
1965	6.2	11.8	3.0	14.8	33.7	54.7	5.7	49.0	.253
1966	5.7	12.2	3.0	15.2	40.8	61.7	12.7	49.0	.250
1967	12.7	14.0	2.7	16.7	32.1	61.5	6.5	55.0	.278
1968	6.5	15.2	2.4	17.6	46.6	70.7	7.6	63.1	.317
1969	7.6	17.5	2.0	19.5	61.9	89.0	12.9	76.1	.377
1970	12.9	16.0	1.0	17.0	95.8	125.7	7.4	118.3	.578
1971	7.4	17.4	1.9	19.3	80.7	107.4	6.1	101.3	.490
1972	6.1	14.9	3.4	18.3	99.0	123.4	16.2	107.2	.511
1973	16.2	16.0	3.0	19.0	83.0	118.2	12.7	105.5	.503
1974	12.7	18.8	2.9	21.7	71.6	106.0	17.8	88.5	.417
1975	17.8	17.9	3.8	21.7	91.0	130.5	21.7	108.8	.500
1976	21.7	18.1	3.9	22.0	118.6	162.3	16.2	146.1	.681
1977 1/	16.2	24.5	3.6	28.1	122.3	166.6	27.2	139.4	.644

1/ Preliminary.

Table A12.--Supplies and utilization of fresh and frozen cod, monthly, 1977-78
(Fillet weight)

Month	Supplies				Utilization	
	Beginning stocks 1/	Landings 2/	Imports 3/	Total	Ending stocks 1/	Apparent consumption
	Million pounds					
1977						
January	16.2	1.2	9.9	27.2	13.6	13.6
February	13.6	1.3	10.0	24.9	13.6	11.3
March	13.6	1.7	9.2	24.6	10.0	14.5
1st quarter	16.2	4.2	29.1	49.5	10.0	39.5
April	10.0	2.3	14.3	26.7	15.7	11.0
May	15.7	3.4	8.3	27.4	17.5	9.9
June	17.5	4.1	9.8	31.4	16.0	15.4
2d quarter	10.0	9.8	32.4	52.2	16.0	36.2
July	16.0	2.8	9.5	28.3	18.1	10.2
August	18.1	2.7	17.6	38.4	23.6	14.8
September	23.6	1.2	10.0	34.8	29.5	5.3
3d quarter	16.0	6.7	37.1	59.8	29.5	30.3
October	29.5	1.4	6.3	37.2	28.2	9.0
November	28.2	1.8	10.5	40.6	28.1	12.5
December	28.1	1.5	6.9	36.5	27.2	9.3
4th quarter	29.5	4.7	23.7	57.9	27.2	30.7
Year	16.2	25.4	122.2	163.8	27.2	136.6
1978						
January	27.2	1.9	5.4	34.5	22.0	12.5
February	22.0	2.5	10.5	35.0	21.2	13.6
March	21.2	2.0	20.0	43.2	20.4	22.8
1st quarter	27.2	6.4	35.9	69.5	20.4	49.1
April	20.4	2.9	13.3	36.6	19.1	17.6
May	19.1	3.1	6.7	28.9	20.8	8.1
June	20.8	3.8	10.4	35.0	23.7	11.3
2d quarter	20.4	9.8	30.4	60.6	23.7	36.9
July	23.7	1.7	13.0	38.4	22.7	15.7
August						
September						
3d quarter						
October						
November						
December						
4th quarter						
Year						

1/ Source: Frozen Fishery Products, National Marine Fisheries Service.
2/ Source: New England Press Report Landings. Gloucester, Mass. This is the sum of landings at principal New England ports adjusted to approximate New England landings.
3/ Source: Department of Commerce, Bureau of the Census.

Note: Figures may not add to total because of rounding.

Table A13.--Exvessel, wholesale, and retail prices of cod, monthly, 1970-78

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Cents per pound							
Exvessel price 1/													
1970	15.7	14.7	15.0	11.8	8.2	10.7	11.5	16.2	15.2	14.1	13.1	16.4	13.6
1971	20.3	13.4	12.6	12.6	9.4	11.7	14.8	18.1	15.6	15.0	19.2	20.3	15.3
1972	25.4	25.2	22.0	18.3	15.2	16.4	17.3	18.0	19.4	22.0	24.5	30.9	22.1
1973	24.1	24.7	24.3	20.0	13.1	14.3	18.9	20.1	18.4	17.4	23.4	29.1	20.7
1974	23.8	24.8	28.0	25.7	16.8	15.7	14.9	20.2	21.3	18.3	24.1	24.9	21.5
1975	26.2	25.5	33.6	26.8	17.3	22.2	22.5	23.4	26.3	24.7	26.5	30.7	25.6
1976	39.2	38.9	38.8	32.2	20.6	19.8	22.5	24.2	26.5	33.0	32.0	28.5	29.7
1977	32.8	31.5	29.3	22.3	16.0	15.1	18.3	22.4	31.7	32.8	26.1	28.2	25.5
1978	30.1	32.2	35.6	21.0	17.8	17.4	27.6						
Wholesale price, frozen fillets 2/													
1970	31.5	31.5	31.5	31.5	31.5	31.5	32.0	32.0	33.5	35.4	37.5	43.3	33.6
1971	42.6	43.5	43.5	43.4	43.7	44.2	45.6	45.5	46.9	46.0	46.3	48.8	45.1
1972	50.5	51.1	54.0	56.0	55.8	55.5	55.9	56.0	54.5	53.8	51.7	49.0	53.7
1973	49.3	51.4	53.3	58.0	59.6	63.5	64.0	67.1	73.5	77.9	77.8	79.0	64.5
1974	79.0	79.0	79.9	79.1	76.8	72.0	66.0	65.0	65.0	65.0	65.0	65.0	71.4
1975	64.9	62.9	61.0	60.5	60.5	58.0	58.0	60.5	61.5	64.0	67.2	70.8	62.5
1976	74.6	75.0	72.0	70.0	70.0	70.9	71.1	70.0	70.0	70.5	71.3	75.4	71.7
1977	80.8	89.0	90.4	92.8	95.6	93.6	92.1	90.9	89.5	90.0	93.4	94.9	91.1
1978	95.0	95.0	95.0	91.8	90.0	90.0	89.5	88.4					
Wholesale price, fresh fillets 3/													
1970	78.0	75.0	85.0	80.0	59.0	62.0	70.0	78.0	80.0	72.0	73.6	79.4	83.6
1971	93.3	89.0	81.4	84.5	70.2	71.4	76.5	81.0	86.3	85.8	90.0	93.0	83.6
1972	113.4	118.5	118.8	92.2	94.3	94.4	95.0	97.8	105.0	110.0	110.0	120.0	106.0
1973	134.3	122.0	119.0	115.0	97.1	109.0	117.6	133.1	119.0	114.3	120.5	140.0	120.0
1974	134.8	139.5	142.0	139.0	117.0	107.0	113.9	123.4	130.0	126.1	131.1	129.5	127.8
1975	142.0	144.2	153.9	158.3	124.1	137.3	137.7	141.3	166.1	149.6	149.6	156.0	146.7
1976	176.3	177.5	178.0	162.5	145.0	146.0	155.0	165.6	161.9	168.1	164.4	159.0	163.3
1977	192.5	186.9	174.5	158.1	129.4	140.5	141.9	153.5	179.0	165.0	158.0	168.5	162.3
1978	192.5	163.3	183.0	161.9	145.0	143.8	178.8	182.5					
Retail price, frozen fillets 4/													
1970	63.2	63.6	64.6	65.4	65.0	66.7	68.3	68.8	68.2	60.2	60.6	69.7	66.7
1971	72.4	74.9	77.1	77.1	77.7	79.0	79.0	81.0	80.4	81.3	81.6	81.5	78.5
1972	82.7	84.0	84.7	86.2	87.1	87.5	91.5	91.2	92.8	93.6	97.4	97.1	89.7
1973	99.2	100.5	100.6	102.9	107.1	109.3	109.5	112.7	114.4	121.4	125.7	128.3	111.1
1974	131.7	133.3	136.5	136.7	141.3	139.6	141.3	143.2	145.2	143.6	146.0	145.0	140.3
1975	147.5	146.7	144.6	148.3	145.2	144.6	144.1	138.8	148.2	144.1	153.0	146.7	146.0
1976	148.6	148.9	148.8	152.0	152.6	153.5	155.5	150.3	153.1	151.9	150.3	150.1	151.3
1977	152.9	161.3	163.1	162.1	164.5	166.8	169.9	172.6	175.3	179.2	182.9	185.7	169.7
1978	186.0	195.7	194.7	190.7	192.6	194.3							
Retail price, fresh fillets 5/													
1970	92.5	95.0	98.0	104.0	97.8	105.3	99.6	96.5	102.3	107.8	106.5	109.2	101.2
1971	112.8	119.3	127.1	126.9	125.8	124.5	129.0	129.4	126.4	128.3	128.4	134.5	126.0
1972	135.6	127.8	144.0	131.5	124.0	124.0	124.0	124.0	137.9	140.3	139.0	159.8	134.3
1973	185.5	179.0	184.5	184.0	174.5	170.6	170.0	179.3	180.0	183.4	181.1	195.1	180.6
1974	195.0	203.5	200.1	202.2	193.0	189.1	179.3	186.0	201.8	197.2	200.8	200.8	195.7
1975	215.8	213.3	214.3	232.9	216.8	213.3	212.3	207.8	222.8	231.7	228.9	219.0	219.1
1976	243.5	243.8	242.6	242.8	244.0	234.0	226.5	238.0	243.0	247.8	268.0	231.5	242.2
1977	251.5	251.0	254.0	269.1	249.0	246.0	237.8	238.0	263.5	262.8	257.0	257.8	253.1
1978	255.5	279.0	278.9	289.0	289.0	295.2	294.0	297.0					

1/ Source: Production and Value of Fisheries at Major New England Ports, weighted average.
2/ Source: Fishery Market News Report, Statistics and Market News Division, average prices for 5-lb pkg of Canadian fillets.
3/ Average monthly price for domestic fillets, New York City Fulton Market.
4/ Source: Estimated Retail Food Prices by City. Bureau of Labor Statistics, at New York City.
5/ Retail Price Report, New York Market Information Service, average monthly price for domestic fillets.

Table A14.--Supplies and utilization of fresh and frozen flatfish, 1960-77
(Fillet weight)

Year	Supplies				Utilization		
	Beginning stocks	U.S. landings	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	5.7	43.3	18.7	67.7	7.5	60.2	0.335
1961	7.5	45.4	18.4	71.3	6.1	65.2	.356
1962	6.1	53.0	18.4	77.5	6.2	71.3	.383
1963	6.2	60.3	16.6	83.1	8.0	75.1	.398
1964	8.0	60.1	21.6	89.1	9.0	80.7	.422
1965	9.0	61.3	24.1	94.4	6.6	87.8	.453
1966	6.6	59.5	34.1	100.8	10.2	90.6	.463
1967	10.2	52.1	33.3	95.6	10.7	84.9	.426
1968	10.7	53.1	39.5	103.3	7.8	95.5	.429
1969	7.8	58.4	48.1	114.3	9.3	105.0	.520
1970	9.3	60.7	58.9	128.9	16.1	112.8	.551
1971	16.1	56.1	56.3	128.5	9.3	119.2	.577
1972	9.3	60.9	56.3	158.4	11.2	147.2	.703
1973	11.2	58.5	105.9	175.4	25.4	150.2	.719
1974	25.4	56.1	77.5	159.0	22.4	136.6	.647
1975	22.4	56.3	98.3	177.0	12.7	164.3	.769
1976	12.7	56.2	100.9	169.8	17.7	152.1	.709
1977 1/	17.7	55.9	95.9	169.5	18.9	150.6	.696

1/ Preliminary.
Note: Data reported is for both flounder and Greenland turbot. Prior to 1975 these two species were not separated and were reported as flatfish products.

Table A15.--Supplies and utilization of fresh and frozen flounder, monthly, 1977-78

Month	Supplies				Utilization	
	Beginning stocks	Landings	Imports	Total	Ending stocks	Apparent consumption
	-Million pounds-					
1977						
January	9.1	1.4	2.4	12.9	7.5	5.4
February	7.5	1.7	1.5	10.6	5.9	4.7
March	5.9	2.2	4.4	12.5	4.7	7.8
1st quarter	9.1	5.2	8.2	22.5	4.7	17.8
April	4.7	2.3	3.5	10.4	4.4	6.0
May	4.4	2.5	3.6	10.5	5.0	5.5
June	5.0	2.1	5.9	13.0	5.4	7.6
2d quarter	4.7	6.9	13.0	24.6	5.4	19.2
July	5.4	2.1	5.4	12.9	7.4	5.5
August	7.4	2.5	5.9	15.8	8.4	7.4
September	8.4	2.1	5.7	16.2	8.8	7.4
3d quarter	5.4	6.7	17.0	29.1	8.8	20.3
October	8.8	2.3	4.3	15.3	8.9	6.4
November	8.9	1.7	4.9	15.6	9.0	6.6
December	9.0	1.4	5.8	16.2	9.0	7.2
4th quarter	8.8	5.4	15.0	29.2	9.0	20.2
Year	9.1	24.2	53.3	86.6	9.0	77.6
1978						
January	9.0	1.2	2.9	13.1	7.7	5.3
February	7.7	1.9	2.8	12.4	6.9	5.6
March	6.9	1.6	3.0	11.5	5.6	5.9
1st quarter	9.0	4.7	8.7	22.4	5.6	16.8
April	5.6	2.4	2.1	10.1	4.7	5.4
May	4.7	3.0	4.1	11.7	4.8	7.0
June	4.8	2.6	5.2	12.6	6.0	6.6
2d quarter	5.6	8.0	11.4	25.0	6.0	19.0
July	6.0	1.8	6.4	14.3	6.7	7.6
August						
September						
3d quarter						
October						
November						
December						
4th quarter						
Year						

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A16.--Supplies and utilization of turbot fillets, monthly, 1977-78

Month	Supplies				Utilization	
	Beginning stocks	Landings	Imports	Total	Ending stocks	Apparent consumption
	Million pounds					
1977						
January	8.5	-	3.1	11.6	7.5	4.1
February	7.5	-	2.7	10.2	5.9	4.3
March	5.9	-	2.9	8.8	3.3	5.5
1st quarter	8.5	-	8.7	17.2	3.3	13.9
April	3.3	-	4.0	7.3	3.8	3.4
May	3.8	-	2.5	6.3	3.9	2.4
June	3.9	-	2.9	6.8	3.9	2.9
2d quarter	3.3	-	9.5	12.8	3.9	8.9
July	3.9	-	2.5	6.4	4.0	2.4
August	4.0	-	2.7	6.7	5.4	1.3
September	5.4	-	7.1	12.5	8.1	4.4
3d quarter	3.9	-	12.3	16.2	8.1	8.1
October	8.1	-	6.6	14.7	9.4	5.3
November	9.4	-	3.5	12.9	10.5	2.4
December	10.5	-	2.1	12.6	9.9	2.7
4th quarter	8.1	-	12.2	20.3	9.9	10.4
Year	8.5	-	42.3	50.8	9.9	40.9
1978						
January	9.9	-	1.3	11.2	8.4	2.8
February	8.4	-	1.2	9.6	6.8	2.8
March	6.8	-	2.6	9.4	6.4	3.1
1st quarter	9.9	-	5.1	15.0	6.4	8.7
April	6.4	-	2.5	8.8	5.4	3.4
May	5.4	-	3.0	8.4	4.6	3.8
June	4.6	-	2.0	6.6	4.7	1.9
2d quarter	6.4	-	7.5	13.9	4.7	9.2
July	4.7	-	4.7	9.4	5.4	4.1
August						
September						
3d quarter						
October						
November						
December						
4th quarter						
Year						

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A17.--Exvessel, wholesale, and retail prices of flatfish, monthly, 1970-78

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Cents per pound							
Exvessel prices 1/													
1970	18.8	21.3	21.5	17.6	11.1	16.2	14.6	14.1	12.9	11.6	9.7	9.8	15.0
1971	13.1	16.4	19.1	19.0	13.1	12.6	13.7	22.1	13.7	16.6	16.0	18.6	16.2
1972	20.4	22.5	19.9	19.6	19.5	20.9	17.6	14.3	18.3	16.6	17.5	21.5	19.1
1973	17.7	34.9	28.9	32.4	18.3	15.8	19.9	24.5	13.8	14.4	28.6	28.6	23.2
1974	28.2	33.8	38.9	38.2	22.1	18.4	18.1	18.0	21.3	24.0	33.1	21.3	27.1
1975	39.6	42.4	47.8	40.0	28.0	31.1	27.7	24.4	37.6	38.6	39.3	49.4	37.2
1976	49.2	61.0	59.1	41.1	37.7	42.3	35.7	36.0	24.0	48.8	42.0	47.9	43.7
1977	53.7	55.0	51.9	43.8	40.0	43.0	44.0	42.5	45.4	50.3	52.3	49.2	47.6
1978	68.4	60.2	74.4	50.7	49.0	48.7	63.2						
Wholesale price, frozen fillets 2/													
1970	52.8	53.6	53.5	53.9	53.8	53.5	53.4	53.0	53.5	53.1	53.5	51.8	53.5
1971	51.8	48.0	47.5	47.5	47.5	48.5	48.5	49.5	51.1	52.0	53.0	53.0	59.7
1972	53.8	53.9	56.2	58.0	59.7	64.0	66.3	67.5	72.9	73.4	74.9	76.0	64.7
1973	77.9	78.1	79.1	80.5	80.2	80.0	81.8	83.2	84.9	84.9	85.0	85.0	81.7
1974	84.6	84.9	85.0	84.8	84.0	81.0	76.6	80.4	79.8	78.6	78.0	79.0	81.6
1975	79.0	79.0	80.0	81.0	81.0	83.8	85.0	88.8	90.5	94.2	96.0	96.5	86.2
1976	97.0	97.8	100.0	104.0	105.3	109.8	110.0	110.0	109.0	110.0	110.0	110.0	106.1
1977	111.9	114.0	113.2	113.8	116.0	116.4	119.5	119.7	118.1	117.0	119.6	120.6	116.7
1978	118.4	116.9	119.2	119.5	120.6	5/	131.0	131.0					
Retail price, fresh fillets 3/													
1970	131.4	137.8	138.6	135.2	125.3	130.3	128.0	124.0	124.0	124.0	131.6	123.0	129.1
1971	135.0	142.8	150.0	145.3	145.3	151.0	149.0	141.6	141.0	135.3	144.0	145.3	144.7
1972	152.8	156.5	162.8	167.8	161.0	166.5	170.0	170.0	166.5	167.5	180.3	176.5	166.5
1973	178.6	204.0	225.7	236.6	224.0	216.6	219.4	231.6	227.5	223.0	234.0	232.9	221.2
1974	224.5	249.0	256.0	267.5	244.5	230.3	217.9	227.6	227.6	230.2	239.4	242.7	238.2
1975	267.9	287.9	289.0	309.0	281.8	271.8	295.3	257.0	251.8	270.4	266.9	300.7	279.2
1976	324.0	334.0	362.0	340.3	301.9	312.5	298.1	277.0	277.0	300.8	309.5	302.9	311.7
1977	332.1	347.8	329.0	342.9	308.3	317.5	307.5	320.0	324.5	346.6	347.5	354.0	331.5
1978	363.4	392.8	390.0	399.0	382.0	367.3	397.3	393.3					
Retail price, frozen fillets 4/													
1970	97.9	98.6	98.6	96.9	95.0	96.6	97.2	97.2	97.3	98.4	98.4	98.8	97.6
1971	96.4	100.0	100.0	98.9	94.7	94.7	94.1	94.2	95.1	94.8	94.8	94.9	96.3
1972	97.5	99.6	98.0	98.9	103.3	102.5	105.1	110.8	111.7	116.3	110.6	116.7	105.9
1973	117.4	117.9	123.9	128.5	128.8	131.0	132.6	134.1	133.5	138.8	145.9	147.7	131.1
1974	152.0	157.9	153.1	155.1	153.4	155.1	157.6	154.3	156.7	156.4	151.7	152.2	154.7
1975	158.5	158.7	160.4	160.0	161.4	158.7	159.1	163.6	169.6	177.1	178.7	185.8	166.0
1976	186.4	188.1	193.6	193.9	206.3	205.0	206.5	210.5	209.6	213.2	214.9	215.4	203.6
1977	221.6	227.3	224.0	227.6	232.6	236.8	241.2	235.8	242.5	247.4	241.8	247.5	235.5
1978	241.5	240.5	241.7	247.0	244.2	251.0							

1/ Source: Production and Value of Fisheries at Major New England Ports, average monthly price for yellowtail flounder.

2/ Source: Fishery Market News Report, Statistics and Market News Division, average prices for 5-lb pkg of Canadian fillets, at Boston, Mass.

3/ Source: Retail Price Report, New York Market Information Service, average monthly price for domestic fillets.

4/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, at Houston, Tex.

5/ Insufficient quotations to publish price.

Table A18.--Supplies and utilization of fresh and frozen haddock, 1960-77
(Fillet weight)

Year	Supplies				Utilization		
	Beginning stocks	U.S. landings	Imports 1/	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	10.2	41.7	18.2	70.1	8.1	62.0	0.345
1961	8.1	46.9	21.1	76.1	10.3	65.8	.354
1962	10.3	47.1	20.6	78.0	5.4	72.6	.386
1963	5.4	43.5	19.6	68.7	4.8	63.9	.327
1964	4.8	46.9	10.1	70.8	7.4	63.4	.334
1965	7.4	47.0	17.0	71.4	6.7	64.7	.334
1966	6.7	46.4	21.5	74.6	7.9	66.7	.340
1967	7.9	34.6	21.4	63.9	6.9	57.0	.288
1968	6.9	24.6	26.7	58.2	4.8	53.4	.267
1969	4.8	16.0	28.1	48.9	7.1	41.8	.206
1970	7.1	9.4	29.5	46.0	5.9	40.1	.196
1971	5.9	7.5	28.4	41.8	8.9	32.9	.159
1972	8.9	4.1	29.1	42.1	9.8	32.3	.155
1973	9.8	2.9	29.6	42.3	10.6	31.7	.151
1974	10.6	2.9	20.5	34.0	10.4	23.6	.112
1975	10.4	5.7	25.6	41.7	7.5	34.2	.161
1976	7.5	4.5	27.8	39.8	5.1	34.7	.162
1977 2/	5.1	10.0	28.4	43.5	7.7	35.8	.165

1/ Haddock fillet imports estimated from the category that included haddock, cusk, hake, and pollock.
2/ Preliminary.
Note: Imports were revised starting in 1972, and this also changes total supply and consumption.

Table A19.--Supplies and utilization of fresh and frozen haddock, monthly, 1977-78
(Fillet weight)

Month	Supplies				Utilization	
	Beginning stocks 1/	Landings 2/	Imports 3/ (revised)	Total	Ending stocks	Apparent consumption
	Million pounds					
1977						
January	5.1	0.4	2.0	7.5	4.7	2.8
February	4.7	.7	2.2	7.6	5.2	2.4
March	5.2	.7	3.2	9.1	4.1	5.0
1st quarter	5.1	1.8	7.4	14.3	4.1	10.2
April	4.1	.7	4.1	8.9	5.3	3.6
May	5.3	.9	2.2	8.4	5.1	3.3
June	5.1	1.0	2.2	8.3	4.6	3.7
2d quarter	4.1	2.6	8.5	15.2	4.6	10.6
July	4.6	1.0	1.9	7.5	4.0	3.5
August	4.0	.9	2.4	7.3	4.1	3.2
September	4.1	.9	2.4	7.4	6.1	1.3
3d quarter	4.6	2.8	6.7	14.1	6.1	8.0
October	6.1	1.3	2.2	9.6	7.5	2.1
November	7.5	1.1	1.9	10.5	7.3	3.2
December	7.3	.9	1.6	9.3	7.7	2.1
4th quarter	6.1	3.3	5.7	15.1	7.7	7.4
Year	5.1	10.5	28.4	44.0	7.7	36.3
1978						
January	7.7	.8	1.5	10.0	6.3	3.7
February	6.3	1.5	2.4	10.2	5.6	4.6
March	5.6	1.0	4.4	11.0	4.8	6.2
1st quarter	7.7	3.3	8.3	19.3	4.8	14.5
April	4.8	1.4	2.9	9.1	4.3	4.8
May	4.3	1.4	2.0	7.7	4.8	2.9
June	4.8	2.0	2.2	9.0	5.1	3.9
2d quarter	4.8	4.8	7.0	16.6	5.1	11.5
July	5.1	1.2	2.6	8.9	4.8	4.1
August						
September						
3d quarter						
October						
November						
December						
4th quarter						
Year						

1/ Source: Frozen Fishery Products, National Marine Fisheries Service.
2/ Source: New England Press Report Landings, Gloucester, Mass. This is the sum of landings at principal New England ports adjusted to approximate New England landings. Estimated from the category that also includes cusk, hake, and pollock.
3/ Source: Department of Commerce, Bureau of the Census.

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A20.--Exvessel, wholesale, and retail prices of haddock in the United States, monthly, 1970-78

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Cents per pound							
Exvessel price 1/													
1970	33.9	33.8	27.6	19.6	18.0	23.7	26.6	31.7	27.7	26.5	33.9	34.7	28.1
1971	39.8	29.3	27.4	25.0	20.7	24.8	31.7	38.0	30.0	35.5	40.6	45.6	32.4
1972	41.5	40.1	43.3	40.8	37.6	36.8	40.8	38.0	41.2	46.2	55.2	54.6	43.1
1973	40.7	41.4	40.6	44.2	42.2	32.9	35.1	35.8	39.7	35.0	45.4	51.3	40.4
1974	35.2	44.0	35.7	51.0	36.8	33.4	28.9	39.7	41.1	41.9	42.7	37.6	39.0
1975	30.3	38.9	43.6	39.8	21.4	29.3	43.9	30.5	35.2	38.0	34.2	47.4	36.1
1976	56.6	44.0	42.9	48.4	40.0	42.7	46.4	44.1	41.3	44.4	45.0	49.1	45.5
1977	42.5	36.0	43.6	38.6	28.9	27.9	25.4	31.0	33.5	31.6	29.6	34.7	33.6
1978	38.4	27.5	41.8	32.0	27.1	23.1	31.8						
Wholesale price, frozen fillets 2/													
1970	53.9	53.6	54.0	54.6	53.5	53.6	54.0	54.5	55.6	58.0	58.6	58.9	55.2
1971	59.8	59.4	57.3	56.5	56.5	56.5	56.5	56.3	58.5	58.0	58.0	58.6	57.7
1972	59.0	59.0	59.2	59.5	59.5	68.8	73.4	76.5	77.5	77.5	77.5	77.5	68.7
1973	77.5	77.5	78.0	79.3	79.5	79.9	83.7	83.0	86.3	90.8	91.4	92.0	83.2
1974	92.0	92.0	96.1	96.8	85.0	85.0	85.8	86.9	85.0	85.0	85.0	85.0	88.3
1975	83.8	83.5	84.0	81.3	6/	80.0	84.5	86.3	86.7	87.0	87.0	89.6	84.9
1976	89.3	90.0	98.0	92.0	92.0	97.0	102.8	98.0	98.0	6/	6/	102.0	95.9
1977	103.9	6/	6/	105.5	105.5	105.4	105.0	105.0	104.2	105.4	105.0	105.0	104.9
1978	105.0	104.5	103.8	103.0	103.3	103.5	103.5	102.6					
Wholesale price, fresh fillets 3/													
1970	115.0	112.2	70.0	67.5	56.0	74.5	89.0	94.5	97.0	73.5	102.5	145.0	91.4
1971	116.5	101.0	73.5	67.0	60.0	96.0	82.5	108.0	97.5	103.5	102.5	122.5	94.2
1972	150.0	125.0	105.0	145.0	150.0	100.0	112.5	110.0	125.0	135.0	135.0	160.0	129.4
1973	160.0	100.0	125.0	130.0	145.0	82.5	132.5	117.1	120.0	120.0	195.0	175.0	133.5
1974	127.5	125.0	125.0	200.0	120.0	100.0	102.5	120.0	152.5	120.0	130.0	147.5	149.4
1975	100.0	160.0	140.0	132.5	97.5	97.5	162.5	130.0	122.5	135.0	135.0	135.0	129.9
1976	195.0	155.0	160.0	155.0	160.0	175.0	140.0	170.0	162.5	170.0	175.0	6/	165.3
1977	265.0	150.0	175.0	250.0	125.0	130.0	105.0	105.0	165.0	112.5	125.0	232.5	161.6
1978	165.0	125.0	130.0	160.0	130.0	6/							
Retail price, frozen fillets 4/													
1970	80.6	83.5	85.3	86.0	87.4	88.4	89.4	89.4	90.9	90.0	91.5	92.6	87.9
1971	93.8	96.4	98.4	98.9	100.0	101.2	101.8	101.6	101.8	102.0	102.4	101.8	100.0
1972	102.4	102.7	102.9	103.4	104.0	104.9	105.3	106.9	108.4	108.8	112.0	113.7	106.3
1973	115.7	119.6	120.8	124.2	128.7	132.2	133.6	136.3	136.5	138.3	144.9	145.5	131.4
1974	147.6	149.4	150.2	149.8	150.4	148.9	149.7	150.5	149.3	147.3	150.1	149.5	149.4
1975	151.1	151.8	151.1	150.8	150.9	150.0	150.5	152.0	151.4	152.2	152.1	153.7	151.5
1976	153.2	156.2	155.9	157.7	158.3	160.7	165.7	167.4	168.5	171.1	170.0	171.8	163.0
1977	171.9	175.0	177.3	181.1	183.6	184.4	185.5	187.7	191.7	192.5	196.0	196.9	185.3
1978	198.3	198.7	200.4	203.3	204.1	203.9							
Retail prices fresh fillets 5/													
1970	115.5	110.5	133.7	120.6	93.8	91.4	108.9	114.1	117.7	105.0	137.4	136.5	115.6
1971	155.9	145.6	140.1	121.0	134.7	148.1	150.0	162.4	165.3	157.0	163.3	172.2	151.3
1972	125.9	123.6	122.2	128.3	124.6	124.2	143.3	141.5	135.5	145.3	139.2	145.1	132.2
1973	6/	229.2	183.8	193.5	188.8	221.1	199.6	214.0	211.9	215.1	213.0	229.2	209.0
1974	216.8	222.8	213.4	239.8	206.9	219.9	214.1	207.9	210.6	203.3	206.8	213.9	214.6
1975	235.7	207.4	209.5	218.1	187.0	185.1	191.9	221.9	222.6	206.2	191.6	207.4	207.0
1976	258.4	252.9	210.2	238.2	226.0	206.8	213.0	219.4	230.3	230.9	245.7	241.4	231.1
1977	280.1	277.5	243.7	294.9	273.2	235.4	228.1	233.2	251.8	232.5	263.0	230.7	253.7
1978	268.4	210.5	193.7	243.0	231.0	213.4							

1/ Source: Production and Value of Fisheries at Major New England Ports, weighted average.
2/ Source: Fishery Market News Report, average prices for 5-lb pkg of Canadian fillets, at Boston, Mass.
3/ Source: Wholesale Prices and Price Index, Bureau of Labor Statistics, prices for 20-lb tins of domestic fillets at Boston, Mass.
4/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, average of retail price at 32 cities.
5/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, at Boston, Mass.
6/ Insufficient quotations to establish price.

Table A21 .--Supplies and utilization of ocean perch, 1960-77
(Fillet weight)

Year	Supplies						Utilization		
	Beginning stocks	Landings			Imports	Total	Ending stocks	Apparent consumption	
		Atlantic	Pacific	Total				Total	Per capita
	Million pounds								Pounds
1960	14.9	42.4	2.7	45.1	14.4	74.4	13.7	62.0	0.337
1961	13.7	39.6	3.7	43.3	18.4	75.7	13.0	62.7	.343
1962	13.0	37.2	5.2	42.4	19.5	74.9	13.5	61.4	.330
1963	13.5	32.5	7.1	39.6	21.5	74.6	16.3	58.3	.310
1964	16.3	26.8	6.3	33.1	22.9	72.3	15.4	56.9	.297
1965	15.4	25.3	8.5	33.8	25.7	74.9	12.2	62.7	.325
1966	12.2	24.4	6.7	31.1	41.6	84.9	17.9	67.0	.342
1967	17.9	21.4	6.2	27.6	36.3	81.8	18.0	63.8	.319
1968	18.0	18.7	3.8	22.5	50.4	90.9	19.7	71.2	.356
1969	19.7	17.3	4.3	21.6	64.2	105.5	16.4	89.1	.446
1970	16.4	15.5	4.3	19.8	54.2	90.4	21.3	69.1	.338
1971	21.3	16.8	2.8	19.6	56.7	97.6	20.7	76.9	.372
1972	20.7	16.5	2.6	19.1	71.7	111.5	17.8	93.7	.447
1973	17.8	15.0	1.4	16.4	88.4	122.6	27.3	95.3	.454
1974	27.3	11.6	0.6	12.2	59.6	99.1	18.2	80.9	.383
1975	18.3	9.0	2.0	11.0	67.6	96.8	10.0	86.8	.406
1976	10.0	9.6	1.7	11.3	60.1	81.4	14.3	67.1	.313
1977 1/	14.3	10.5	1.7	12.2	45.2	71.7	9.5	62.2	.288

1/ Preliminary.

Table A22.--Supplies and utilization of ocean perch, monthly, 1977-78
(Fillet weight)

Month	Supplies				Utilization	
	Beginning stocks 1/	Landings 2/	Imports 3/	Total	Ending stocks	Apparent consumption
	Million pounds					
1977						
January	14.3	0.5	3.2	17.9	11.5	6.5
February	11.5	.7	1.8	14.0	8.2	5.8
March	8.2	1.6	3.1	12.9	6.5	6.4
1st quarter	14.3	2.8	8.2	25.3	6.5	18.8
April	6.5	.5	2.0	9.0	5.4	3.6
May	5.4	1.6	1.4	8.4	3.8	4.6
June	3.8	1.2	3.2	8.1	3.7	4.4
2d quarter	6.5	3.3	6.5	16.3	3.7	12.6
July	3.7	1.1	4.6	9.4	6.1	3.3
August	6.1	.9	6.4	13.4	7.5	5.9
September	7.5	.7	6.6	14.8	8.5	6.3
3d quarter	3.7	2.7	17.7	24.1	8.5	15.6
October	8.5	.7	4.0	13.2	10.2	3.0
November	10.2	.7	4.6	15.4	10.6	4.8
December	10.6	.4	4.2	15.2	9.5	5.7
4th quarter	8.5	1.8	12.8	23.1	9.5	13.6
Year	14.3	10.6	45.2	70.1	9.5	60.6
1978						
January	9.5	.4	3.1	13.0	7.2	5.8
February	7.2	1.0	1.2	9.4	4.5	4.8
March	4.5	1.2	3.1	8.9	3.8	5.1
1st quarter	9.5	2.7	7.4	19.5	3.8	15.7
April	3.8	.9	3.3	8.0	3.1	4.9
May	3.1	1.4	2.7	7.2	3.0	4.2
June	3.0	1.4	3.1	7.5	3.3	4.2
2d quarter	3.8	3.7	9.1	16.6	3.3	13.3
July	3.3	.9	4.3	8.5	3.7	4.8
August						
September						
3d quarter						
October						
November						
December						
4th quarter						
Year						

1/ Source: Frozen Fishery Products, National Marine Fisheries Service.
2/ Source: New England Press Report Landings, Gloucester, Mass. This is the sum of landings at principal New England ports adjusted to approximate New England landings.
3/ Source: Department of Commerce, Bureau of the Census.

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A23.--Exvessel, wholesale, and retail prices of ocean perch, monthly, 1970-78

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Cents per pound							
Exvessel price 1/													
1970	5.0	4.6	4.6	4.5	4.5	4.9	5.2	5.4	5.4	5.4	5.5	5.5	5.0
1971	5.4	5.1	5.1	5.0	4.8	5.1	5.3	5.2	5.2	5.2	5.1	5.0	5.1
1972	5.3	5.2	5.4	5.4	5.7	5.3	5.7	6.2	6.4	6.3	5.7	6.4	5.8
1973	6.9	7.2	7.2	7.6	7.5	7.5	7.6	8.3	8.9	10.2	9.0	9.3	8.1
1974	9.9	9.4	9.5	8.7	7.9	7.8	7.2	7.2	7.4	7.8	8.1	8.0	8.2
1975	8.7	9.2	10.5	10.4	9.9	10.3	10.1	10.6	11.0	11.6	11.8	11.9	10.5
1976	12.1	12.2	13.6	13.6	13.8	13.0	13.8	14.2	14.1	14.2	15.2	28.5	14.9
1977	15.3	15.5	15.3	16.2	15.0	15.3	14.0	15.2	15.2	15.6	15.5	15.9	15.3
1978	16.6	17.1	18.0	16.7	16.8	15.8	16.6						
Wholesale price, frozen fillets 2/													
1970	34.0	34.0	34.0	34.0	34.0	34.0	36.0	37.0	37.0	36.5	36.5	36.5	35.3
1971	36.5	36.5	36.5	37.0	37.0	36.0	36.0	36.0	34.6	35.0	35.0	35.0	35.9
1972	35.0	35.5	37.3	38.6	40.2	41.5	43.1	45.5	47.1	47.8	48.5	48.8	42.4
1973	50.2	51.5	53.6	54.3	55.4	55.5	55.8	59.5	62.5	63.0	62.9	63.5	57.3
1974	61.7	58.5	54.1	50.0	44.3	40.1	39.8	43.3	46.1	48.3	49.5	51.3	48.9
1975	49.5	50.4	54.3	56.4	57.5	60.3	62.2	63.7	64.5	65.3	68.2	70.5	60.2
1976	72.0	72.3	74.3	76.9	82.4	88.2	92.5	92.1	90.3	93.2	92.8	92.5	84.9
1977	92.0	92.0	92.0	92.0	92.5	92.7	94.0	94.0	93.8	93.8	94.4	94.0	93.1
1978	94.8	96.3	97.0	98.0	98.3	99.0	99.0	99.5					
Retail price, frozen fillets 3/													
1970	59.4	61.3	61.6	63.2	63.3	63.8	64.0	65.7	64.6	56.3	66.6	68.5	63.2
1971	69.1	70.9	71.1	72.7	73.5	73.7	73.5	73.3	73.2	73.3	72.2	71.8	72.4
1972	73.4	73.7	72.5	73.1	73.3	73.8	75.2	77.1	78.0	82.1	84.6	85.1	76.8
1973	87.6	90.3	91.8	94.4	96.9	99.6	99.8	100.7	102.6	105.4	107.5	108.4	98.8
1974	115.5	110.4	108.1	109.9	108.5	107.1	108.3	107.3	105.9	106.4	106.5	107.3	108.1
1975	107.9	107.9	106.9	107.7	108.9	110.1	110.7	112.1	116.2	119.6	121.2	121.4	112.6
1976	122.9	125.3	126.9	130.6	134.4	136.2	141.3	147.2	153.9	155.0	156.9	160.8	140.9
1977	160.8	160.8	163.5	166.6	167.8	168.4	168.4	168.4	170.9	172.0	173.6	173.5	168.0
1978	175.9	175.1	177.2	182.3	183.9	185.1							

1/ Source: Production and Value of Fisheries at Major New England Ports, weighted average.
2/ Source: Boston Fishery Market News Reports, Statistics and Market News Division, average prices for 5-lb pkg of Canadian fillets. Series for cod and ocean perch 1-lb pkg have been converted to 5-lb pkg series to make it consistent with all groundfish prices. Data for the 1-lb pkg series are available upon request.
3/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, average of retail price at 39 cities.

Table A24.--Supplies and utilization of Pacific halibut 1960-77 1/
(Dressed weight)

Year	Supplies				Utilization		
	Beginning stocks	U.S. landings	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	18.9	38.3	28.6	85.8	14.4	71.4	0.396
1961	14.4	40.0	28.2	82.6	13.8	68.8	.376
1962	13.8	40.4	34.9	89.1	22.6	66.5	.357
1963	22.6	34.3	29.4	86.3	25.4	60.9	.323
1964	25.4	26.3	30.3	82.0	15.8	66.2	.346
1965	15.8	30.4	30.0	76.2	17.4	58.8	.304
1966	17.4	30.4	27.4	75.2	20.4	54.5	.278
1967	20.7	30.1	24.1	74.9	19.3	55.6	.281
1968	19.8	19.4	29.7	68.4	13.7	54.7	.274
1969	13.7	25.0	31.8	70.5	14.9	55.6	.276
1970	14.9	25.9	27.2	68.0	17.0	51.0	.249
1971	17.0	21.3	28.0	66.3	11.2	55.1	.266
1972	11.2	19.3	34.5	65.0	18.3	46.7	.223
1973	18.3	18.1	24.9	61.3	16.5	44.8	.214
1974	16.5	13.8	10.4	40.7	8.5	32.2	.152
1975	8.5	16.2	14.3	39.0	8.3	30.7	.144
1976	8.3	15.5	11.6	35.4	9.5	25.9	.121
1977 2/	9.5	13.3	9.0	31.8	7.5	24.3	.112

1/ Data were adjusted downward to correct for Greenland turbot that was classified as halibut.
2/ Preliminary.

Table A25.--Exvessel, wholesale, and retail prices of Pacific halibut, monthly, 1970-78

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						-Cents per pound-							
Exvessel price, Seattle 1/													
1970	-	-	-	43.4	40.1	43.0	44.4	39.8	34.9	32.5	35.6	-	39.2
1971	-	-	-	34.9	33.1	35.8	36.2	36.7	39.4	41.6	-	-	36.8
1972	-	-	-	60.3	58.1	65.7	70.5	73.7	79.9	-	-	-	68.0
1973	-	-	-	-	-	79.0	84.5	86.6	-	-	-	-	83.4
1974	-	-	-	-	75.0	79.0	79.0	79.6	80.5	-	-	-	78.6
1975	-	-	-	-	90.0	91.3	94.8	102.7	108.5	-	-	-	97.5
1976	-	-	-	-	na	na	na	na	na	na	-	-	na
1977	-	-	-	-	na	na	na	na	na	na	-	-	na
1978	-	-	-	-	na	na	na	na					
Exvessel price, Prince Rupert 1/													
1970	-	-	-	-	39.4	42.6	42.5	38.9	35.6	31.7	-	-	38.5
1971	-	-	-	-	33.6	32.7	34.0	37.4	37.8	-	-	-	35.1
1972	-	-	-	-	59.8	66.6	72.5	76.3	78.5	-	-	-	70.7
1973	-	-	-	-	-	73.4	78.2	81.4	86.0	-	-	-	79.8
1974	-	-	-	-	-	67.8	71.0	77.3	78.6	-	-	-	73.7
1975	-	-	-	-	75.0	81.0	93.0	na	111.7	-	-	-	83.8
1976	-	-	-	-	134.0	134.9	127.1	125.2	123.7	-	-	-	130.4
1977	-	-	-	-	na	123.5	136.2	137.2	139.5	-	-	-	131.4
1978	-	-	-	-	182.5	191.0							
Wholesale price 2/													
1970	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.0	57.3	56.7	55.3	54.9	56.9
1971	54.2	54.2	55.0	53.0	53.0	53.0	53.1	53.1	53.1	53.5	55.0	58.5	54.1
1972	62.0	62.1	67.6	72.0	76.8	77.0	85.0	90.1	92.2	95.0	95.0	95.0	80.8
1973	91.8	91.7	90.4	88.0	97.1	99.6	99.6	105.0	105.0	105.0	102.5	102.5	98.0
1974	102.5	102.5	103.0	105.0	99.8	95.8	98.3	98.3	105.0	105.0	105.0	105.0	102.1
1975	105.7	107.1	108.3	115.0	115.0	120.0	120.0	127.0	145.5	149.0	150.0	150.0	126.0
1976	150.0	150.0	150.0	150.0	150.0	165.0	165.0	170.0	173.0	173.0	170.0	170.0	161.4
1977	170.0	170.0	170.0	170.0	170.6	172.9	173.5	175.0	175.0	180.0	180.0	180.0	173.9
1978	180.0	180.0	182.5	187.5	190.0	214.2	223.1	na					
Retail price 3/													
1970	106.0	102.5	101.9	111.8	116.0	112.8	110.0	108.0	112.8	108.3	106.6	106.6	108.4
1971	106.5	107.8	107.9	107.8	111.5	110.0	110.0	104.0	107.1	112.8	108.9	109.7	108.7
1972	115.1	124.0	124.0	126.5	135.6	137.0	139.0	158.0	160.3	162.0	164.0	167.8	142.8
1973	174.2	169.3	170.7	174.0	172.3	174.0	174.0	177.8	181.8	184.0	192.0	192.0	178.0
1974	194.5	202.0	200.3	206.0	193.3	197.0	192.0	209.0	208.0	209.0	211.5	210.7	202.8
1975	202.8	209.1	204.0	205.3	208.1	225.5	229.4	231.0	254.0	280.0	284.0	284.0	234.8
1976	290.3	289.0	299.6	305.5	302.8	319.0	299.0	299.0	295.0	317.0	310.2	324.0	304.2
1977	325.3	339.0	355.0	351.8	349.0	338.0	322.9	341.0	345.3	329.0	329.0	323.0	337.4
1978	337.8	365.3	387.0	416.5	409.0	424.0	na	na					

1/ Weighted average price for medium size.
2/ Dressed form, frozen, at New York City, Fishery Market News Report, National Marine Fisheries Service, New York.
3/ Steak form, frozen, at New York City, Consumer and Market Information, State of New York.
na - Not available.

Table A26.--Supplies and utilization of canned salmon, 1965-77

Year	Supplies				Utilization			
	Beginning stocks	Production	Imports	Total	Ending stocks	Exports	Apparent consumption	
							Total	Per capita
	Thousand standard cases							Pounds
1965	3,349	3,634	2	6,985	2,761	519	3,705	0.919
1966	2,761	4,358	12	7,131	3,465	427	3,248	.797
1967	3,456	2,072	3	5,531	2,087	428	3,016	.733
1968	2,087	3,448	103	5,638	2,746	119	2,773	.668
1969	2,746	2,551	46	5,343	2,163	324	2,856	.681
1970	2,163	3,882	51	6,036	2,650	350	3,036	.715
1971	2,650	3,509	32	6,191	2,699	380	3,112	.724
1972	2,699	1,935	243	4,877	1,508	445	2,924	.680
1973	1,508	1,495	178	3,181	941	353	1,887	.432
1974	941	1,829	146	2,916	1,668	173	1,075	.244
1975	1,668	1,627	68	3,363	1,354	469	1,540	.347
1976	1,354	2,659	53	4,066	2,042	413	1,611	.360
1977 1/	2,042	2,886	12	4,940	2,586	443	1,911	.424

1/ Preliminary.

Source: National Food Processors Association; U.S. Department of Commerce, Bureau of the Census; and Fishery Statistics of the United States.

Table A27.--U.S. wholesale prices of canned salmon, monthly, 1970-78 1/

Species/ Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						-Dollars per case							
Red (sockeye), 48/1-lb cans													
1970	45.25	45.44	45.50	45.50	45.50	45.50	42.90	40.00	40.00	40.00	41.13	41.50	43.19
1971	41.50	41.50	41.50	41.50	41.50	41.50	43.00	44.50	2/	2/	46.00	46.00	42.85
1972	47.00	47.00	47.00	47.50	47.50	47.50	47.50	56.00	56.00	56.50	56.50	56.50	51.08
1973	56.50	56.50	56.50	57.25	58.00	58.00	58.00	3/	112.00	110.40	110.00	110.00	76.74
1974	111.00	111.00	111.00	111.00	111.00	111.00	111.00	110.60	108.75	108.00	108.00	93.33	109.31
1975	92.75	89.00	89.00	83.50	83.50	83.50	83.50	82.00	77.50	77.50	77.88	78.00	83.14
1976	80.60	82.75	83.00	83.00	83.00	83.00	83.00	83.00	83.00	82.20	82.75	84.00	82.78
1977	84.75	85.50	87.50	87.50	87.50	87.50	88.10	89.00	91.50	93.00	92.00	92.00	88.82
1978	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.00					
Red (sockeye), 48/1/2 -lb cans													
1970	27.25	27.06	27.00	27.00	27.00	27.00	26.85	26.63	26.75	26.75	27.50	27.75	27.04
1971	27.75	27.75	28.00	28.25	28.25	28.25	27.35	27.25	2/	2/	29.00	29.00	28.08
1972	31.00	30.00	29.10	30.50	30.13	30.00	30.00	34.00	34.50	34.50	34.50	34.50	31.89
1973	34.50	34.50	34.50	35.25	36.00	36.00	36.00	3/	54.50	55.00	55.00	57.00	42.57
1974	57.00	57.00	57.00	57.00	57.00	57.00	57.00	56.90	55.63	52.50	52.50	48.50	55.42
1975	44.38	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	46.90	48.00	43.48
1976	53.00	55.00	54.63	53.50	53.50	53.50	55.10	56.25	56.13	55.00	55.00	55.00	54.63
1977	55.00	55.00	57.00	56.80	56.50	57.50	57.50	58.00	58.50	59.00	59.00	59.00	57.45
1978	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00					
Pink, 48/1-lb cans													
1970	31.60	31.25	32.50	35.50	32.50	32.50	32.50	32.50	33.50	33.50	33.50	33.50	32.65
1971	33.50	34.50	34.50	34.50	34.50	34.50	34.80	35.83	2/	2/	36.00	36.00	34.86
1972	36.00	37.00	37.00	37.38	37.50	37.50	37.75	41.25	44.50	44.50	47.75	45.00	40.01
1973	45.25	45.50	45.50	46.25	47.00	47.00	47.00	3/	65.75	67.10	68.00	70.40	54.25
1974	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	70.67	70.97
1975	70.00	70.00	70.00	70.00	70.00	70.00	70.00	69.75	69.00	69.00	69.00	69.00	69.65
1976	69.00	69.00	69.00	69.00	69.00	69.00	69.00	69.00	68.50	67.40	67.00	67.50	68.53
1977	68.00	68.00	64.00	65.00	66.50	66.50	67.10	68.60	69.00	69.00	67.50	66.00	67.02
1978	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00					
Chum, 48/1-lb cans													
1970	28.80	28.25	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	29.50	29.50	28.71
1971	29.50	30.00	30.00	30.13	30.50	30.50	30.50	31.50	2/	2/	31.50	31.50	30.56
1972	32.00	31.00	31.00	31.50	31.50	31.50	31.50	34.75	38.00	38.50	40.00	40.00	34.27
1973	40.00	40.00	40.00	40.25	40.50	40.50	40.50	3/	60.25	62.50	64.00	64.80	48.48
1974	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.40	70.00	65.00	65.00	65.00	65.45
1975	65.00	65.00	63.40	59.00	59.00	59.00	55.00	55.00	57.00	59.00	59.00	59.00	59.63
1976	59.00	59.50	60.00	60.00	60.00	60.00	60.40	61.00	60.25	59.40	59.00	59.00	59.73
1977	59.00	59.00	58.00	58.40	59.00	59.00	59.00	59.00	60.50	61.00	58.75	57.50	58.99
1978	57.00	57.00	57.00	57.00	57.00	57.00	57.00	57.00					

1/ Average of the weekly prices reported by Seattle brokers and canners for top quality stocks only.
2/ Prices not reported during the price freeze. Does not include discounts and promotional allowances.
3/ Prices not quoted.

Source: Fishery Market News Report, National Marine Fisheries Service, Seattle, Wash.

Table A28.--U.S. supply of canned sardines, 1968-77

(Canned weight)

Year	U.S. pack Maine sardines	Imports	Total supply	Exports	Total for U.S. consumption
			Thousand pounds		
1968	40,489	58,867	99,356	3,032	96,324
1969	24,402	45,367	69,769	2,095	67,674
1970	18,872	46,908	65,780	1,456	64,324
1971	22,249	50,019	72,268	870	71,378
1972	36,540	70,215	106,755	3,030	103,725
1973	23,284	67,419	90,703	1,740	88,963
1974	25,131	69,137	94,268	1,691	92,577
1975	26,008	31,106	57,114	2,161	54,953
1976	24,971	53,873	78,844	1,829	77,015
1977	23,496	50,036	73,532	1,776	71,756

Table A29.--Exvessel, wholesale, and retail prices of Maine sardines, monthly, 1970-78

Year	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year average
						Cents per pound 1/							
Exvessel price (Maine)													
1970	-	2.0	-	-	2.0	1.9	2.0	1.8	1.7	1.7	1.4	1.9	1.8
1971	-	-	-	1.1	-	2.4	2.1	2.4	2.5	2.7	2.9	-	2.3
1972	-	-	-	2.9	3.1	3.3	3.1	3.2	3.1	3.1	3.3	3.2	3.1
1973	-	-	-	3.7	3.9	3.0	2.9	2.7	2.8	2.8	3.0	2.9	3.1
1974	3.6	3.3	3.3	3.3	-	3.3	3.6	3.9	3.7	3.8	3.9	3.6	3.6
1975	3.9	3.9	3.9	3.9	3.9	3.4	3.8	3.7	3.7	4.0	3.2	2.8	3.7
1976	4.5	-	-	3.0	3.8	4.5	4.5	4.3	4.3	4.2	4.4	5.0	4.3
1977	-	4.5	4.8	4.5	4.7	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
1978	4.9	5.0	5.0	5.3	5.7								
Wholesale price, Maine, 100-/4 lb cans 2/													
						Dollars per case							
1970	12.63	13.50	13.50	13.50	13.50	13.50	13.50	14.25	15.25	15.25	15.25	15.25	14.07
1971	15.25	15.25	15.25	15.25	15.25	15.75	15.75	16.75	16.75	16.75	16.75	16.75	15.96
1972	16.72	16.75	16.75	16.75	16.75	16.75	16.75	17.55	17.30	17.10	17.10	15.75	16.84
1973	16.25	16.25	16.25	16.25	15.30	15.30	15.30	17.25	17.35	17.60	17.60	17.60	16.53
1974	17.60	18.00	18.00	19.35	19.35	19.75	19.75	21.60	21.60	22.50	22.50	22.50	20.21
1975	22.50	22.05	22.05	22.05	22.05	22.05	22.10	22.10	23.10	22.50	22.50	22.50	22.53
1976	22.50	21.60	21.60	21.60	22.10	22.10	22.10	22.10	22.10	23.10	23.10	23.10	22.26
1977	23.10	23.10	23.10	24.00	24.00	24.00	24.00	24.00	25.10	25.10	25.10	27.10	24.31
1978	27.10	27.10	28.10	28.10	30.10	30.10							
Retail price, keyless 3/													
						Cents per case							
1970	15.8	15.5	15.5	15.8	15.8	16.0	16.0	16.7	16.9	16.3	16.4	16.9	16.1
1971	19.2	19.8	20.5	20.4	19.1	19.5	18.7	20.5	20.1	20.4	20.4	20.5	19.9
1972	20.5	21.1	20.7	20.7	20.9	21.2	20.9	21.2	21.4	21.6	22.3	22.7	21.3
1973	22.9	22.9	22.9	22.7	23.0	22.9	23.1	23.2	23.4	23.2	24.0	23.9	23.2
1974	25.5	24.5	26.0	25.7	26.4	26.6	27.5	27.7	28.1	29.5	29.7	30.9	27.2
1975	32.2	32.2	32.4	32.6	33.0	31.2	31.7	32.0	31.5	31.9	32.0	33.7	32.2
1976	33.7	33.0	32.7	32.9	33.7	33.8	34.3	34.5	34.3	34.2	34.7	34.8	33.9
1977	34.9	34.8	34.8	34.9	33.4	33.5	31.9	31.9	34.2	34.2	37.7	38.6	34.6
1978	38.3	37.4	38.1	39.7	39.0	39.1							
Retail price, key or pull tab 4/													
1970	16.5	16.6	16.6	16.9	17.1	17.3	17.2	17.4	17.8	18.2	18.7	19.0	17.4
1971	19.3	19.6	19.7	19.8	20.0	20.4	20.5	20.8	21.0	21.1	21.2	21.4	20.4
1972	21.6	21.6	21.4	21.6	21.7	21.8	21.9	22.1	22.6	22.7	22.9	25.3	22.1
1973	22.4	22.4	22.6	22.9	23.3	23.7	23.1	23.2	23.5	24.2	25.0	20.3	23.5
1974	25.5	37.6	37.2	37.9	38.9	39.6	40.0	40.4	41.7	43.9	45.1	46.6	39.5
1975	41.7	47.7	48.2	48.6	48.6	49.6	50.8	51.1	51.5	51.6	51.5	51.8	49.8
1976	51.9	52.4	52.1	52.1	52.4	52.4	52.5	52.8	54.1	53.8	53.8	55.0	52.9
1977	54.0	53.7	54.1	54.8	55.1	55.9	56.8	57.3	57.7	58.1	52.8	58.7	55.8
1978	59.0	59.7	59.5	59.1	60.0	60.3							

1/ Round weight.
2/ Keyless oil, New York, Bureau of Labor Statistics (BLS).
3/ Price at Baltimore, Md., reported by BLS.
4/ U.S. average price, reported by BLS.

Table A30.--U.S. imports of fresh and frozen tuna, by type and country, 1973-77

Type and country	1973	1974	1975	1976	1977
			Thousand pounds		
Albacore					
Neth. Antilles	7,141	6,564	5,957	4,844	-
China, Taiwan	11,402	16,306	20,990	31,024	26,041
Republic of Korea	8,404	1,006	2,342	12,869	14,195
Japan	84,422	81,669	34,007	57,949	49,902
Br. Pacific Island	15,166	10,098	2,696	5,821	13,493
Canary Island	7,314	8,389	9,906	4,148	162
Ivory Coast	4,755	5,360	8,237	4,362	-
South Africa Republic	9,007	11,728	2,644	11,949	4,600
Other countries	66,643	60,925	18,751	35,304	25,852
Total	214,254	202,045	105,530	168,270	134,245
Other tuna					
Mexico	5,531	819	11,545	15,876	25,411
Panama	13,218	11,975	71,417	50,648	24,945
Ecuador	15,264	17,365	39,131	30,343	21,899
Peru	18,390	6,864	2,938	-	-
France	11,147	8,390	17,393	23,457	35,673
Spain	1,525	23,090	21,550	17,666	23,050
China, Taiwan	11,924	9,337	14,888	8,691	5,887
Republic of Korea	3,169	3,661	15,231	21,620	10,993
Japan	227,769	267,676	44,735	80,781	127,544
New Guinea	9,617	23,995	9,034	38,196	23,871
Br. Pacific Island	5,477	9,178	4,199	2,500	8,877
Ivory Coast	6,378	6,627	6,292	-	5,101
Other countries	127,780	90,253	45,649	67,508	97,333
Total	457,189	479,230	304,002	357,285	410,584
Grand total	671,443	681,275	409,532	525,555	544,829

Source: U.S. Department of Commerce, Bureau of the Census.

Table A31.--U.S. canned tuna and bonito pack including American Samoa, Puerto Rico, by area, January-June 1976-78

Year/month	Continental United States	American Samoa, Puerto Rico, and Hawaii	Total
	Thousand standard cases		
1976			
January	918	1,357	2,275
February	639	1,043	1,682
March	1,772	1,443	3,215
April	1,534	1,374	2,908
May	1,152	1,181	2,333
June	1,360	1,038	2,398
Total	7,375	7,436	14,811
1977			
January	915	998	1,913
February	850	922	1,772
March	1,400	1,651	3,051
April	1,007	1,118	2,125
May	824	988	1,812
June	1,018	927	1,945
Total	6,014	6,604	12,618
1978 1/			
January	1,005	1,215	2,220
February	991	1,148	2,139
March	1,464	1,848	3,312
April	1,485	1,798	3,283
May	1,417	1,534	2,951
June	1,471	1,634	3,105
Total	7,833	9,177	17,010

1/ Preliminary.

Source: Fishery Market News Report, National Marine Fisheries Service, Terminal Island, Calif.; and Marine Fisheries Statistics, California Department of Fish and Game, Long Beach, Calif.

Table A32.--Imports of raw tuna, by type and country of origin, January-June 1976-78

Type and country	1976	1977	1978
		Thousand pounds	
Albacore			
Neth. Antilles	4,289	-	1,253
Republic of Korea	7,956	10,521	4,855
Taiwan	12,038	16,863	19,436
Japan	17,193	28,324	22,386
Br. Pacific Island	1,632	7,655	6,782
South Africa Republic	2,990	864	4,734
Other	19,916	14,678	16,565
Total	66,009	78,905	76,011
Other tuna			
Mexico	5,952	16,557	17,371
Panama	38,797	17,153	13,414
Ecuador	20,995	10,259	15,036
France	5,484	4,355	11,280
Spain	9,001	3,473	5,100
Republic of Korea	12,413	5,680	4,109
Japan	26,801	64,564	72,580
Papua, New Guinea	4,042	11,369	4,540
Br. Pacific Island	388	3,359	2,530
Tr. Ter. of Pac. Island	7,653	2,687	6,331
Other	29,242	49,167	64,075
Total	160,768	188,623	216,366
Grand total	226,777	267,528	292,377

Note: Does not include imports into American Samoa.
Source: U.S. Department of Commerce, Bureau of the Census.

Table A33.--Exvessel prices of tuna, monthly 1970-78 1/

Species/ Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
	Dollars per ton												
Albacore													
1970	-	-	-	-	-	-	550	550	550	550	550	550	550
1971	-	-	-	-	-	-	630	630	630	630	630	630	630
1972	-	-	-	-	-	680	680	680	680	680	680	680	680
1973	-	-	-	-	-	-	-	830	830	830	830	830	830
1974	-	-	-	-	-	-	820	820	820	820	820	820	820
1975	-	-	-	-	-	-	675	675	675	675	675	675	675
1976	675	675	675	-	-	910	910	910	920	960	1000	1000	864
1977	1000	1000	1000	1000	-	-	1165	1165	1165	1165	1165	1165	1099
1978	1165	1165	1165	1165	-	1220	1220	1220					
Bluefin													
1970	325	-	-	-	347	349	351	385	360	362	373	-	353
1971	-	-	392	-	400	401	403	403	400	400	400	401	400
1972	-	422	-	-	-	422	422	422	422	422	422	422	422
1973	-	-	-	-	-	457	460	465	462	-	-	-	461
1974	-	-	-	-	-	-	555	555	555	555	555	555	555
1975	-	-	-	-	480	480	480	480	480	480	480	480	480
1976	-	560	560	560	-	576	578	580	586	595	595	580	577
1977	-	-	-	-	765	769	777	800	800	800	800	807	790
1978	810	-	-	-	-	820	820	820					
Skipjack 2/													
1970	291	296	298	301	308	317	323	327	331	333	338	339	317
1971	362	362	362	366	367	371	372	374	375	376	376	376	370
1972	405	405	405	405	405	405	405	405	405	405	405	405	405
1973	447	447	447	447	447	447	450	455	455	459	459	463	451
1974	3/	545	545	545	545	545	545	545	545	544	540	540	544
1975	-	540	540	503	495	472	450	450	450	450	450	450	471
1976	520	540	541	542	548	552	554	560	568	575	579	575	554
1977	605	620	620	620	704	744	748	748	765	765	770	776	707
1978	782	790	790	790	790	790	790	790					
Yellowfin 2/													
1970	341	346	348	355	358	366	372	379	381	383	386	391	367
1971	412	412	412	415	417	421	420	420	420	421	421	421	418
1972	442	442	442	442	442	442	442	442	442	442	442	442	442
1973	477	477	477	477	477	477	480	485	485	489	489	493	481
1974	3/	575	575	575	575	575	575	575	575	575	575	575	575
1975	3/	574	573	546	540	520	500	500	500	500	500	500	523
1976	520	580	581	582	588	592	594	600	608	615	619	615	591
1977	639	665	665	665	755	794	803	803	820	820	823	828	757
1978	833	840	840	840	840	840	840	840					

1/ Midpoints of price ranges received from California canners.
2/ Premium grade.
3/ Insufficient quotations to publish price.

Source: Fishery Market News Report, National Marine Fisheries Service, Terminal Island, Calif.

Table A34.--Canned tuna wholesale and retail prices, monthly, 1972-78

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Dollars per case 1/							
Wholesale - Advertised brands 2/													
White solid (No. 1/2 - 7 oz 48's)													
1972	21.50	22.28	22.70	22.74	22.74	22.75	23.50	23.31	23.50	24.89	25.35	25.35	23.39
1973	23.00	24.75	26.00	26.00	26.00	26.00	26.00	26.00	26.38	27.50	26.75	27.50	25.89
1974	27.50	28.63	29.00	29.00	29.00	29.00	29.94	30.17	30.17	30.18	30.18	30.85	29.47
1975	30.14	30.00	27.75	27.75	27.75	27.40	27.10	27.29	27.35	27.35	28.83	29.00	28.14
1976	29.00	30.25	30.50	30.50	32.63	33.50	35.00	35.00	36.50	37.00	37.00	39.00	33.82
1977	39.00	39.00	39.00	39.00	39.00	39.00	39.00	39.75	40.50	40.50	41.62	42.00	39.74
1978	42.00	42.00	42.00	42.00	42.25	42.50	42.88	46.12					
Light chunk (No. 1/2 - 6-1/2 oz 48's)													
1972	18.70	18.90	19.20	19.20	19.20	19.20	19.39	19.70	19.70	19.89	19.95	19.95	19.42
1973	19.95	19.95	19.95	20.70	20.90	21.14	21.20	21.20	19.68	20.95	21.33	21.89	20.74
1974	22.55	23.83	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.80	25.20	25.20	24.25
1975	25.45	26.20	25.20	25.20	25.20	25.20	25.20	23.70	23.70	23.70	24.70	24.70	24.85
1976	24.70	26.33	26.70	26.70	27.08	27.45	28.20	28.20	28.80	29.00	29.00	29.25	27.62
1977	29.50	29.50	29.50	29.50	30.38	33.00	33.00	33.00	33.00	33.00	33.75	34.00	31.75
1978	34.00	34.00	34.00	34.00	34.25	34.50	34.50	35.00					
Wholesale - Private label 2/													
White solid (No. 1/2 - 7 oz 48's)													
1972	20.25	20.75	21.50	21.50	21.50	21.50	21.50	21.50	21.50	22.25	22.63	22.75	21.59
1973	22.75	23.00	23.00	23.50	24.05	24.28	24.20	24.20	25.04	27.25	26.88	28.00	24.68
1974	28.00	28.38	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.45
1975	28.50	*	*	*	*	*	25.00	25.00	25.00	25.00	27.67	28.00	26.31
1976	28.00	29.00	29.00	29.00	29.75	30.88	33.70	35.50	34.50	35.50	37.50	37.50	32.32
1977	37.50	37.50	37.50	37.50	37.50	37.50	37.50	38.62	39.00	39.00	39.00	39.00	38.09
1978	39.00	38.50	38.50	38.50	38.50	38.50	38.50	40.12					
Light chunk (No. 1/2 - 6 -1/2 oz 48's)													
1972	15.50	15.60	16.25	16.25	16.25	16.25	16.81	17.00	17.00	17.19	17.25	17.25	16.57
1973	17.25	17.25	17.25	18.25	18.60	18.75	18.75	18.75	18.81	19.25	19.50	19.50	18.49
1974	19.50	20.81	21.25	21.75	21.75	21.75	21.75	21.75	21.75	22.05	22.25	22.25	21.55
1975	21.88	22.25	22.25	21.50	21.25	21.00	20.75	22.25	20.75	20.75	20.63	20.63	21.37
1976	20.63	20.88	21.25	21.25	21.25	21.00	22.25	22.25	22.25	22.25	22.50	22.50	21.73
1977	22.50	22.50	22.88	26.60	28.00	29.00	29.50	29.50	29.50	29.50	29.50	29.30	27.41
1978	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.00					
Retail 3/													
Light chunk 6 - 1/2 oz cans													
						Cents per can							
1972	44.1	44.7	45.2	45.6	45.8	45.9	45.7	45.3	45.6	46.0	46.1	46.4	45.5
1973	46.5	45.7	46.9	47.6	48.3	49.6	51.0	49.6	50.0	50.6	51.6	52.5	49.2
1974	53.7	55.1	56.0	57.3	57.8	58.2	58.7	58.5	58.6	58.5	59.8	60.1	57.7
1975	61.0	61.4	61.5	60.8	60.7	59.5	59.0	59.3	60.0	59.7	60.1	61.1	60.3
1976	62.1	62.5	62.6	62.9	63.5	63.8	63.7	64.4	64.8	64.8	66.2	66.3	64.0
1977	66.6	68.3	67.5	68.6	70.2	71.8	74.0	75.0	74.9	76.1	73.6	77.7	72.0
1978	79.0	78.2	78.5	78.1	79.2	80.0							

1/ Quotes do not include trade or promotional allowances.
2/ Reported by California brokers and cannery representatives, f.o.b. canner's terminal.
3/ U.S. average retail price reported by Bureau of Labor Statistics.
* No - quotes.

Source: Wholesale; Fishery Market News Report, National Marine Fisheries Service, Terminal Island, Calif.
Retail; Estimated Retail Food Prices by City. Bureau of Labor Statistics.

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